



### **Corporate Profile**

Annual Report
Orbital
Corporation
Limited ABN
32 009 344 058
and its
Controlled
Entities

#### **Corporate Profile**

Orbital Corporation Limited is an international developer of innovative technical solutions and provides design, manufacturing and product development services to the world's producers and suppliers of engine components and engine management systems.

Orbital is focused on the development and commercialisation of a range of innovative technologies, particularly those related to the efficient use of energy and resources.

Orbital's Direct Injection technology - designed to improve the emissions and fuel consumption of internal combustion engines has been commercialised in the motorcycle, marine, recreational and autorickshaw markets around the world.

The Orbital group earns income from multiple sources, including:

- Consulting and engineering services fees
- Licence fees and royalties paid by manufacturers who acquire rights to Orbital's intellectual properties
- Joint venture interest in Synerject LLC

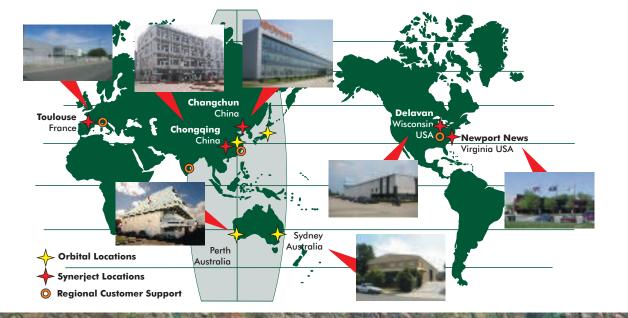
#### **Key Features**

- Synerject manufacturing joint venture commences production of electronic control units in China.
- First cash dividend payment of US\$840,000 received from the Synerject manufacturing joint venture.
- Polaris releases first production ATV using Orbital technology.
- Commonwealth Government provides funding of \$2.8 million to establish a new test facility for heavy duty engines.
- Net profit after tax of \$0.5 million compared to a profit of \$1.3 million last year.
- \$1.2 million reduction in profit due to the strong Australian dollar.
- \$1.9 million investment in Orbital Gas Products, signalling expansion into the Alternative Fuels
- Strong financial position with \$8.8 million cash on hand at 30 June 2008.

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Orbital and Synerject Global Locations



### Chairman's and CEO's Reports

#### CHAIRMAN

I am pleased to present Orbital's Annual Report for the year ended 30 June 2008.

#### Overview

The 2008 financial year has been challenging, however Orbital generated an operating profit of \$0.5 million despite a strong Australian dollar that reduced profit by \$1.2 million. This result compares with a profit of \$1.3 million in 2007.

The markets in which we operate were under pressure, including tough economic conditions in the US impacting our North American marine sector customers and engineering revenue. In addition, 2008 was a year of continuing investment in China where Synerject commissioned a manufacturing facility to produce a new Electronic Control Unit for the prospective Chinese motorcycle market. Synerject shipped its first product to customers in Taiwan during the year but initial low volumes and start up costs resulted in a US\$2.0 million loss for Synerject China.

On the positive side, engineering revenue grew in all geographic sectors other than North America. In Australia our program included the second National In-Service Emissions Study for the Commonwealth Government through the Roads and Traffic Authority of NSW and a health impact study for E5-E10 fuel.

Royalty unit volumes in 2008 were similar to 2007 representing a solid performance in a tough North American marine market. Royalty receipts were impacted by the stronger Australian dollar but this was offset by increased licence fees.

Orbital's equity accounted profit from Synerject, our joint venture with Continental, was \$2.4 million compared to \$3.2 last year. Again, this was impacted by the stronger Australian dollar and the establishment costs in Synerject China. Despite these factors, Synerject generated US\$2.6 million operating cash flow for the year and this year we received the first dividend from Synerject. Synerject remains in a strong financial position with a gearing ratio of only 18% at 30 June 2008.

Orbital achieved several strategic goals during the year including the acquisition of Boral Alternative Fuel Systems, now called OGP (Orbital Gas Products), which is our first step into the alternative fuel business. We also announced our proposed investment in the construction and operation of a heavy duty engine testing facility. The Commonwealth Government



Chairman, Peter Day.

provided \$2.8 million in funding towards this new facility, which will be capable of operating conventional and alternative fuel engines such as natural gas, LPG and biodiesel.

#### Board of Directors and Senior Management

The last 12 months has seen a significant change in the membership of the Board of Directors. John Marshall retired in July 2008 after nearly 20 years invaluable contribution to Orbital. In March 2008 we appointed two new non-executive Directors, Dr Vijoleta Braach-Maksvytis and Dr Merv Jones, strengthening your board with relevant experience in commercialising innovative technology and developing new markets in the Asia pacific region.

During 2008 Dr Rod Houston stepped down as CEO to return to his native Ireland with his family after 20 successful years with Orbital. In May 2008 Orbital announced the appointment of Mr Terry Stinson as Chief Executive Officer and Managing Director. Terry brings 30+ years experience in manufacturing, engine development and fuel systems design and commercialisation.

We thank Rod and John for their significant contributions to Orbital. We welcome Terry, Vijoleta and Merv to the Board and look forward to their contribution.

Orbital achieved several strategic goals during the year ...

### Chairman's and CEO's Reports

We enter the coming year with commitment and confidence.

#### Outlook

We enter the coming year with commitment and confidence. Consumer and industry market concerns such as increasing fuel cost and environmental issues resulting from engine emissions provide market drivers for Orbital's skills, technology and experience. There is growing acceptance that alternative fuels provide commercial alternatives to more conventional fuels such as petrol and diesel.

Orbital needs to grow its more mature business segments such as Synerject and Engineering Services and step more boldly into the alternative fuels business. We will target continued profitability while implementing strategic initiatives for the longer term benefit of shareholders.





Orbital's Board of Directors. Left to right: Mervyn Jones, Terry Stinson, Peter Day, Vijoleta Braach-Maksvytis and Grahame Young.

#### CHIEF EXECUTIVE OFFICER

My congratulations go to Rod Houston and the Orbital team who delivered a profit in a year where economic issues in North America impacted our revenue, and exchange rate influences trimmed \$1.2 million off the bottom line.

As a new CEO, my time to date has been focused on learning; about our business, our customers and programs, the Orbital team members and organisation, our product offerings, and the processes that are used to manage the business. More recently, I have chaired several strategy development sessions with key members of our Orbital team to review and understand the current business situation and to explore and develop prospects for the future. To get a better feel for the business, a good portion of time was dedicated to understanding the reasons for past successes and failures and to understand the reasons for past years' downsizing and restructuring. Time was also dedicated to covering what was done to stabilise the business and produce consistent profits over the past three years. Using and building on this knowledge, we have begun development of a new strategy to grow Orbital's sales and profits over the coming years. Our new Board Members, Dr Merv Jones, Dr Vijoleta Braach-Maksvytis and our new Chairman Peter Day are also engaged in bringing their skills and experience into the strategy development process. My goal is to build upon the technical core which is Orbital to reinvent, diversify and grow. The first glimpse of this strategy will be presented in conjunction with the Orbital Annual General Meeting in October this year.

Over the past few years, Orbital has evolved into a successful engineering services business that also derives income from continuing investments in Synerject and from intellectual property. In the future, we plan to maintain and grow this core engineering business but more importantly use this core strength to significantly grow sales and profits through the introduction of new revenue streams.

Why new revenue streams? Our ES (Engineering Services) business is profitable but has limitations for growth potential due to geographic, market and infrastructure constraints. More importantly, my goals and the Board's expectations for Orbital go well beyond what the engineering services business and existing revenue streams will ever be able to generate. Engineering services businesses like ours are also highly susceptible to changes in worldwide general economic conditions which can result in inconsistent cash flows

and possible losses when times are bad. Our primary focus is to use our engineering core talent and infrastructure to facilitate new business creation and to support existing and new FlexDl™ customers. In parallel we will continue with our contract engineering services and consulting business to maintain our contacts in the industry and to support balanced resource utilisation.

One good example of a potential revenue stream could be another business like Synerject. Synerject products incorporating Orbital's core technology generate good gross margins and also facilitate Orbital's continuing royalty revenues. Orbital's FlexDI technology enables significant reductions in greenhouse gas emissions and fuel savings for companies like Mercury Marine. We can use this proven model to significantly grow our business and fill a growing market opportunity created by high crude oil prices and an increased focus on reducing greenhouse gas emissions.

Developing and executing this new strategy fits with my skill set and experience. This includes small business turn-arounds to sustainable growth in organisations with over \$400 million in sales. Orbital is through the turn-around phase, now it is time to begin a period of sustained and profitable growth. My experience includes forming and leading to success several joint ventures, including Synerject. In 1995 we kicked off the METEOR Joint Venture business in Perth which became Synerject with the introduction of SiemensVDO to the joint venture. We started from zero and created the US\$80 million business of today. My focus will be on identifying and capitalising on other opportunities where Orbital's core skill base, intellectual property and infrastructure can be leveraged to create shareholder returns.

LPG (Liquefied Petroleum Gas), CNG (Compressed Natural Gas) and LNG (Liquefied Natural Gas) can provide customers in Australia and around the world with cleaner and lower cost fuel alternatives. The acquisition of the LPG business from Boral was our first commercial step into alternative fuels. Our plan is to grow our LPG business, now called OGP (Orbital Gas Products), and expand using our technical core to develop new and improved products to meet growing demands in the Australian LPG automotive market. The LPG market is also expanding in Asia. A new and improved product that wins market share in Australia should also have potential in Asia. In the natural gas market, we are already well placed in the transport business through our work with the Commonwealth on LNG transport applications in Western Australia. Here too, we will grow our business revenues and profits.



• Chief Executive Officer, Terry Stinson.

Orbital's core engineering business is also perfectly suited to provide technical services and consulting. We are already providing services and consulting to the Commonwealth and industry in the areas of measuring and reducing energy consumption and measuring and reducing harmful emissions. Using the information gathered Orbital makes recommendations and can manage the implementation of both small and large environmental and energy improvement projects. These emerging markets, and others yet to be identified, can be further developed and evolved into new aligned businesses and provide additional revenue streams to Orbital.

In addition to growth and profitability, the team at Orbital will continue to deliver current and future reductions in greenhouse gas and other toxic emissions. Last year we introduced a  $\rm CO_2$  counter on our website. This counter continues to tick-away showing Orbital's positive contribution to local environments around the world. Cumulative tons of  $\rm CO_2$  saved through fuel efficiency benefits is noted on an ongoing basis through our counter.

0 1 7 1 5 9 7 2 4

Innovative Technology Solutions for a Cleaner World...
As employees and stakeholders of Orbital, we are fortunate to be able to participate in a business that generates returns for our employees and stakeholders and in turn provides the means to improve the air we breathe and the environment we live in.

The acquisition
of the LPG
business from
Boral was our
first commercial
step into
alternative fuels

### Chairman's and CEO's Reports

# During the financial year Synerject paid its first dividend ...

#### Alternative Fuels

During the year, Orbital has expanded into the alternative fuels industry, working with CNG, LPG, LNG and alcohol based fuels, both at the industry support and R&D level.

The rising cost of fuel, increasing environmental awareness and the depleting world supply of crude oil have further strengthened the call for alternative fuels and energy management. Both of these areas have strong growth potential for Orbital, which has both the skill base and infrastructure to provide significant value to customers.

Initial steps were taken late in the financial year to commence Orbital's growth into the alternative fuels industry with the acquisition of Orbital Gas Products (OGP) (formally Boral Alternative Fuel Systems).

OGP is a tier 1 supplier of LPG systems to the Ford Motor Corporation in Australia and to the aftermarket operators, assembling and distributing original equipment products in Australia and New Zealand; these are manufactured by Vialle, a leading Netherlands-based international manufacturer of LPG automotive fuel systems. OGP has direct access to Vialle's new Liquid Injection (LPi) expertise, application experience and Intellectual Property. Orbital's technical skill base will complement the development of the next generation OGP systems.

Reinforcing its position in the alternative fuels business, Orbital secured Commonwealth Government support to install a heavy duty engine testing facility at its Perth headquarters capable of operating engines on natural

 Fuel metering units manufactured by Vialle for integration into Orbital Gas Product's LPG system.

gas, LPG and biodiesel as well as diesel and gasoline. The facility will provide the following services:

- Heavy duty engine emissions testing research of inservice vehicles for Commonwealth and State Government authorities;
- Engine development and emission testing services for Australian and Asian companies seeking to develop cleaner engine technologies and reduce greenhouse gas emissions; and
- Heavy duty engines emissions research for government authorities seeking to validate the environmental credentials of alternative fuel and drive-train technologies for heavy vehicle applications in Australia and Asia.

#### Synerject

Orbital's 50% owned joint venture with Continental Corporation, Synerject LLC, is a supplier and manufacturer of engine management systems (EMS) and electronic fuel injection systems for non-automotive OEMs.

Notwithstanding the generally difficult market conditions during the year, particularly the North American marine market, Synerject generated a 2% increase in revenue to US\$81 million.

The recently commissioned manufacturing facility in Changchun China, which is responsible for the production of the newly developed M3 ECU, shipped its first product during the financial year. The M3 ECU has been developed to meet emissions requirements for the motorcycle market in China where Euro 3 standards have recently been introduced.

Synerject's first customers are in Taiwan with Chinese customers expected to take product in the FY2009 financial year. The establishment of the Changchun facility together with an engineering support base in Chongqing and low initial sales volumes has resulted in a loss of US\$2 million in China for the year.

The Delavan facility, which is responsible for the manufacture of the Bombardier E-TEC fuel system and ECU, recorded a 4% reduction in sales but improved EBIT by approximately US\$1 million. This was achieved by the introduction of reduced supply costs and facility efficiencies in line with productivity targets.

The Newport News facility manufactures air injectors and fuel rail assemblies for customers utilising Orbital's air assist direct injection (OCP<sup>TM</sup>) technology. Sales were down by 1% due to reduced volumes in the North American marine market due to the slowing US economy.

Synerject took on new customers and introduced new products during the financial year including Ducati and the E-TEC snowmobile.

Orbital's equity accounted share of the Synerject result was adversely affected by A\$0.4 million compared to FY2007 due to the strong Australian dollar.

Synerject generated US\$2.6 million (FY2007 US\$2.6 million) operating cashflow. Investment in plant and equipment (principally in China) required US\$0.7 million (FY2007 US\$2.5 million) and net debt repayments were US\$1.8 million (FY2007 US\$0.5 million). Net debt at 30 June 2008 was US\$3.1 million representing a gearing ratio of 18% (FY2007 21%).

During the financial year Synerject paid its first dividend of US\$0.84 million to each of the joint venture parent companies.

#### Licensing and Royalties

Orbital licenses its patented direct injection technology to original equipment manufacturers (OEM) and suppliers. Since product introduction in 1996, over 1.6 million air injectors/cylinders have been sold, reducing greenhouse gas emissions and improving fuel economy.

Orbital products in the Marine Outboard sector, primarily the Mercury Marine OptiMax and Tohatsu TLDi engines, stood up well in a US market that has suffered a significant downturn in tough economic conditions.

Licensing and Royalty revenue increased by 17% to \$2.7 million compared to the previous financial year. Despite the steady royalty volumes, the contribution from this business segment fell by \$0.3 million due to the impact of the weaker US Dollar and the product mix. This negative impact was offset by increased license fees.

New products using Orbital's technologies introduced this year include the Polaris MV800 ATV and the Envirofit retrofit kit for the 3 wheeler taxis in the Philippines.

The production launch of the Polaris MV800 is a key milestone for Orbital. This multi-fuel, all terrain vehicle is the first 4-stroke engine product to use Orbital's technology. The direct injector required for the 4-stroke engines was fully productionised by Synerject.

Envirofit, a not-for-profit organisation, developed and supplies a retrofit kit for the 3 wheeled taxis in the Philippines, giving significant reductions in emissions and up to 35% improvement in fuel economy. The fuel economy advantage is very attractive to the driver/owner as fuel costs are a significant part of operating costs. Initial volumes are low, with potential for increase in the coming year.



 Launched this year, Polaris' MV800 ATV is the first 4-stroke engine to use Orbital's FlexDI technology.

Mercury Marine launched two new variants of the OptiMax outboard family, the Jet 80 and 100hp outboard units.

The production Bajaj DI Autorickshaws are now available in Pune and Varanasi with positive market feedback. Bajaj also has a license for LPG/CNG variants of this product.

The European motorcycle market for DI remains flat and will likely remain so until the next stage of Euro III emissions is implemented, scheduled for 2009/2010. In the interim, the interest in high performance 2-stroke DI engines continues as this enables potential product retaining all the 2-stroke performance attributes while meeting the European emissions requirements. The profile of these products is high, however the over-all volume produced is low compared to traditional scooters and motorcycles.

The interest in direct injection of 4-stroke engines for products such as motorcycles continues. Direct injection applied to a 4-stroke motorcycle results in better fuel economy and improved emissions. Orbital is undertaking multiple programs to assist customers in development and assessment in this market segment.

OEMs using Orbital's technology achieved the following awards during FY08, highlighting the performance of these products:

- Kymco X-Mode 100 motorcycle using Orbital's systems received the Taiwan Environmental Agency (EPA) award as the best motorcycle in their green motorcycle ranking.
- Mercury Marine received for the third consecutive year the J.D. Power Award for delivering the highest customer satisfaction in the direct-injected (DI) outboard category.

The production launch of the Polaris MV800 is a key milestone for Orbital.

### Chairman's and CEO's Reports

... the FlexDI system offers "bi" and "multi" fuel capability.

#### **Engineering Services (ES)**

Orbital's ES provides professional technology engineering services to Governments, industry, engine manufacturers, OEMs and their suppliers, with key activities in Australia, China, India, USA, Europe and Japan.

Engineering Service revenue decreased by 7% to \$11.7 million for the full year compared to the previous year, reflecting the challenges of the downturn in the general market and the stronger Australian dollar. This department provided increased internal support for Orbital's business development in areas such as the formation of Orbital Gas Products and in the development of the Heavy Duty Engine Test Facilities that are now well underway.

Key external customer programs this year include:

- Long term contract with the Roads and Traffic Authority of NSW to manage the second National In-Service Emission Study (NISE)
- E5-E10 health impact study
- Continued contract work to assist in the development a dual fuel (LNG/Diesel) Engine Management System (EMS) suitable for the Australian heavy duty truck fleet
- Design and development of a new family of "clean" general purpose engines
- Development of fuel systems for utility, lawn and garden engines
- Support for customer application programs of Orbital's proprietary technologies

With greatly increased public awareness of global warming, rising oil costs and concerns regarding the longer term availability of crude oil, the call for alternative fuels and for energy/emissions management



• Bombardier's GSX ETEC Ski-Doo utilises components supplied by Synerject.



 Orbital's engineers have assisted with EMS system development to power road trains with both LNG and diesel.

has never been stronger. Orbital's ES are well positioned to provide key technology services in the forthcoming year targeting high value-add programs.

#### FlexDI

A new initiative, FlexDI, was launched during the year, supported by the R&D of previous years. The FlexDI system "One Engine - Any Fuel" is the expansion of Orbital's Direct Injection systems to operate with a wide range of both liquid and gaseous fuels and has generated significant response from China and Europe.

With the capability of spark ignition combustion of heavy fuels such as kerosene and diesel for non-automotive applications, the FlexDI system offers "bi" and "multi" fuel capability.

#### **Orbital Research and Development**

Orbital's R&D, aligned with the growing importance of alternative fuels and energy management, are central to Orbital's activities aimed at positioning the company as a leading edge technology company with the ability to provide solutions to OEMs and Industry.

The continued commitment to the core R&D has resulted in 20 new patent applications being granted and 4 new patents applications in the last 12 months, strengthening the Orbital patent portfolio and extending the life of the current and future royalty streams. Over the three year period since commitment to internal R&D programs, some 83 patent applications have been granted along with 15 new patent applications.

During the year technical papers highlighting the results from the R&D programs and showcasing Orbital's technology development capability to global OEMs have been presented at a number of key technical conferences and congresses. Orbital's paper on 100% Ethanol (E100) was awarded the best overseas paper at the 2007 Congresso SAE Brasil, São Paulo, Brazil resulting in subsequent commercial discussions in South America where use of alternative fuels such as E100 are already very well established.

#### Summary & Outlook

Orbital's core technical strengths and focus on investigating and supporting alternative fuel applications - reinforced by recent strategic business acquisitions and partnerships - have opened the way for the Company to become a strong player in the alternate fuels industry.

The acquisition of OGP, marks the first step in the Company's planned expansion into the alternate fuels market. The OGP acquisition is expected to be immediately earnings per share positive, with the potential to generate further growth into the future. Orbital is uniquely placed to capitalise on the increasing demand for environmentally and cost efficient fuel alternatives, having both the technical expertise and experience in gaseous fuel technologies to develop new and improved products for the Australian market.

The Commonwealth Government Grant announced recently for the Company's new Heavy Duty Test Facility underpins the Group's planned technical and commercial expansion phase into the LNG market. This market is being driven by concerns about the availability and cost of diesel fuel given the strong global demand for conventional fuels. Orbital will continue to provide engineering services and technical support to the LNG market and initiate future growth in the market with the introduction of a line of commercial products using its gaseous combustion product knowledge.

In India and China, demand for CNG applications are also growing as a result of rising fuel costs and environmental concerns. Bajaj continues to have an interest in pursuing their license to expand Orbital's FlexDI technology to explore additional opportunities in India.

Synerject's investments in China over the past year have begun to pay dividends, with sales of product from China targeted to increase between US\$10 million and US\$15 million next financial year.

Synerject's high volume motorcycle systems sales in China are dependent on the release and enforcement of emissions legislation in this market segment. While it is difficult to predict the exact timing of the legislation and enforcement, the Company is confident that Synerject is positioned to take advantage of this market opportunity. The first Chinese motorcycle customer launches are expected in this calendar year. These will be low volume start-up programs aimed at testing the market for fuel injected, high feature, more fuel efficient and more expensive product offerings.

The continuing market weakness in the United States



Bajaj autorickshaw incorporating Orbital's FlexDi technology.

marine industry is expected to continue to impact royalty revenues and the market for other recreational products supported by Orbital. An offset to this is the continuing roll-out of the FlexDI based Bajaj Direct Injected Autorickshaw in India, for which market feedback has been positive and sales are expanding into additional regions in India.

The Engineering Services segment of Orbital will benefit from the strategic OGP acquisition. The Engineering Services order book is currently more than \$5 million, which is in line with this time last year.

Orbital remains committed to adding additional value to our traditional core revenue streams through expansion into the alternative fuels business through R&D and strategic business mergers and acquisitions. As a part of our expanded growth strategy, Orbital will be investigating areas where our unique skill sets and technical infrastructure can be used to capitalise on new opportunities being created by higher fuel prices and environmental concerns, reinforcing and increasing profitability for the company and our shareholders in the year ahead.

We are focusing on implementing our strategic investment initiatives and targeting continued profitability year on year.

TERRY STINSON
CHIEF EXECUTIVE OFFICER

In India and
China, demand
for CNG
applications are
also growing as
a result of rising
fuel costs and
environmental
concerns.

### Directors' Report for the YEAR ENDED 30 JUNE 2008

#### 1. DIRECTORS

The Directors of the Company at any time during or since the end of the financial year are:

#### Mr William Peter Day, LLB (Hons), M Administration, FCPA, FCA (Aust & UK), FTIA, MAICD, age 58 Chairman, Independent Non-Executive Director

Joined the Board and appointed Chairman in August 2007. Mr Day was most recently Chief Financial Officer of the global packaging group Amcor; he retired from that role on 31 December 2007. He has a diversified background in finance and general management in mining, manufacturing, food and financial services industries, as well as a number of public interest areas.

He has held senior executive and director positions with Bonlac Foods, Rio Tinto, CRA and Comalco including Chief Financial Officer at Commonwealth Aluminum Corporation (USA) and Managing Director, CRA Business Services in Australia.

He is a former Chairman of the Australian Accounting Standards Board, and was Deputy Chairman of the Australian Securities & Investments Commission. Mr Day is also a non executive director of Ansell Limited, SAI Global Limited, Multiple Sclerosis Limited (and related entities) and Financial Executives International (Australia) Pty Limited.

#### Mr Donald Woolgar John Bourke, FCPA, age 68, Chairman, Independent Non-Executive Director

Chairman of the Board from his appointment in August 2003 until 13 August 2007. Mr Bourke had extensive business experience and was Chairman of Mitchell Corporation Pty Ltd until August 2007. He resigned as Chairman of Olex Holdings Limited in December 2006 when the company was sold. He was previously Chairman of Compudigm International Limited and Chairman of Australian Technology Group Limited. He had previously been a Director of Crown Casino Limited and BIL (Australia Holdings) Limited as well as a Councillor of the National Library of Australia. For a number of years Mr Bourke was the Finance Director of Consolidated Press Holdings Mr Bourke had significant experience in the automotive industry, having occupied various finance and senior management positions with Ford Australia during almost eighteen years with that company. Mr Bourke passed away on 13 August 2007.

#### Mr John Richard Marshall, BMechE(Hons), DipMechE, Hon.DEng (RMIT), FIEAust CPEng, FSAE-A, FSAE-I, MSME, age 76

#### Independent Non-Executive Director

Joined the Board in December 1995 after six years as a Non-Executive Director of Orbital Engine Company (Australia) Pty Ltd. Mr Marshall retired from the Board on 23 July 2008. Mr Marshall is currently Chairman, Industry Advisory Board Euro-Australian Cooperation Centre and was previously Co-chair of the Expert Panel in Physical Sciences and Engineering for the AusIndustry Collaborative Research Centre Program and a Finance Committee member of the Australian Conservation Foundation. Mr Marshall has extensive experience in the automotive industry and was Vice-President - Manufacturing of Ford Australia between 1983 and 1989

### Mr John Grahame Young, LLB, FAICD, age 64 Independent Non-Executive Director

Joined the Board in November 1985. Mr Young is a lawyer with more than 30 years experience in corporate, revenue and intellectual property law. He has been a director of Cape

Bouvard Investments Pty Ltd since 1998. Mr Young chairs the Company's Audit Committee.

#### Dr Mervyn Thomas Jones, B.Eng (Hons), Ph.D, DipBusStuds, CEng (UK), FIChemE (UK), MAICD, MIoD (NZ), age 60

#### Independent Non-Executive Director

Joined the Board in March 2008. Dr Jones has more than 35 years experience as a consulting engineer and as a senior executive. He has specific expertise in the development and management of organic business growth in the Asia Pacific region, as well as acquisition experience in both Australia and China. Dr Jones is also a director of a number of non listed and private companies.

### Dr Vijoleta Braach-Maksvytis, Bsc (Hons), Phd, MAICD, age 50

#### Independent Non-Executive Director

Joined the Board in March 2008. Dr Braach-Maksvytis is an innovation strategist with more than 20 years experience in organisational change, formation of cross-sectoral and global partnerships, the commercialisation of technology, and intellectual property strategy. Previous roles include Head of the Office of the Chief Scientist of Australia, Science Executive and Director Global Development for CSIRO, and most recently, Deputy Vice Chancellor Innovation and Development at the University of Melbourne, and is currently an advisor in the area of social innovation.

Dr Braach-Maksvytis pioneered nanotechnology in Australia and holds over 20 patents in the field, and is also a company director, on the advisory board of the Intellectual Property Research Institute of Australia, Commissioner for UNESCO, and Governor for Foundation for Development Cooperation.

#### Mr Terry Dewayne Stinson, BBA (Hons), age 50 Managing Director and Chief Executive Officer

Joined the Board on 21 June 2008. Mr Stinson has been a senior executive with Siemens VDO, Europe's largest engineering conglomerate (recently purchased by Continental Corporation), with direct responsibility for sales in excess of US\$300 million per annum in their Gasoline Systems, Fuel Systems and Fuel Components operations in the United States, Germany, Italy, China and support operations in every country where automobiles are manufactured. Mr Stinson has also served as a representative Director for Siemens VDO on the Synerject JV Board.

Prior to that, he held the position of VP Manufacturing for Outboard Marine Corporation, a privately held \$US1 billion multinational outboard marine propulsion and boat company.

### Dr Rodney Alexander Houston, B.Sc (Hons) MechEng, Ph.D, MAICD, age 45

#### Managing Director and Chief Executive Officer

Joined the Board in August 2005. Retired from the Board on 20 June 2008. Dr Houston has extensive experience in engine research and development. He has been employed by the Group for 18 years and prior to being Managing Director and Chief Executive Officer was director of engineering and operations. He has been involved in all aspects of the Group's engineering operations and product development.

#### 2. COMPANY SECRETARY

Mr Keith A Halliwell B.Sc, FCA, FAICD was appointed to the position of Chief Financial Officer and Company Secretary in August 2000. He has 24 years international experience as an

	Directors' Meetings			ommittee tings	Human Resources, Remuneration & Nomination Committee Meetings	
Director	No. of Meetings Attended	No. of Meetings Held*	No. of Meetings Attended	No. of Meetings Held*	No. of Meetings Attended	No. of Meetings Held *
W P Day	6	6	3	3	-	-
T D Stinson	-	-	-	-	-	-
R A Houston	6	7	-	-	-	-
J R Marshall	6	7	3	4	1	1
J G Young	7	7	4	4	1	1
M T Jones	2	3	1	1	-	-
V Braach-Maksvytis	3	3	1	1	-	-

<sup>\*</sup> number of meetings held during the time the directors held office during the year

accountant and was previously Chief Financial Officer and Company Secretary of another listed public company in Australia.

#### DIRECTORS' MEETINGS

The number of Directors' meetings (including meetings of the committees of Directors) and the number of meetings attended by each of the Directors of the Company during the financial year are shown above.

#### 4. CORPORATE GOVERNANCE STATEMENT

This statement outlines the main Corporate Governance practices that were in place throughout the financial year, which comply with the ASX Corporate Governance Council recommendations, unless otherwise stated.

#### 4.1 BOARD OF DIRECTORS AND ITS COMMITTEES

#### Role of the Board

The Board's primary role is to protect and enhance long-term shareholder value by providing strategic guidance to the Group and effective oversight of management.

To fulfil this role, the Board is responsible for the overall corporate governance of the Group including formulating its strategic direction, approving and monitoring capital expenditure, setting remuneration, appointing, removing and creating succession policies for directors and senior executives, establishing and monitoring the achievement of management's goals and ensuring the integrity of internal control and management information systems.

It is also responsible for approving and monitoring financial and other reporting. Details of the board's charter is located on the Company's website (www.orbitalcorp.com.au).

The board has delegated responsibility for operation and administration of the Group to the Chief Executive Officer and executive management. Responsibilities are delineated by formal authority delegations.

#### **Board Processes**

To assist in the execution of its responsibilities, the Board has established a number of Board Committees including an Audit Committee and a Human Resources, Remuneration and Nomination Committee. These committees have written mandates and operating procedures, which are reviewed on a regular basis. The effectiveness of each committee is also constantly monitored. The Board has also established a framework for the management of the Group including a system of internal control and the establishment of appropriate ethical standards.

The full Board currently holds six scheduled meetings each year, plus strategy meetings and any extraordinary meetings at such

other times as may be necessary to address any specific significant matters that may arise.

The agenda for meetings is prepared in conjunction with the Chairman, Managing Director and Company Secretary. Standing items include the managing director's report, financial reports, strategic matters, governance and compliance. Submissions are circulated in advance. Executives are regularly involved in board discussions and directors have other opportunities, including visits to operations, for contact with a wider group of employees.

The Board conducts an annual review of its processes to ensure that it is able to carry out its functions in the most effective manner

#### **Director Education**

As part of the induction process, new directors are provided with detailed information about the nature of the Group's business, current issues, group strategy, financial matters, policies and procedures and are given the opportunity to meet with management to obtain an insight into the Group's business operations.

### Independent Professional Advice and Access to Company Information

Each Director has the right of access to all relevant Company information and to the Group's executives and, subject to prior consultation with the Chairman, may seek independent professional advice from a suitably qualified adviser at the Group's expense. The director must consult with an advisor suitably qualified in the relevant field, and obtain the Chairman's approval of the fee payable for the advice before proceeding with the consultation. A copy of the advice received by the director is made available to all other members of the board.

#### Composition of the Board

The names and qualifications of the Directors of the Company in office at the date of this Report are detailed above.

The composition of the Board is determined using the following principles:

- A minimum of three directors, with a broad range of expertise;
- An independent non-executive director as Chairman;
- A majority of independent non-executive directors; and
- The role of Chief Executive Officer (CEO) and Chairman should not be exercised by the same individual.

An independent director is a non-executive director who:

• is not a substantial shareholder of the company or an officer

### Directors' Report for the YEAR ENDED 30 JUNE 2008

of, or otherwise associated directly with, a substantial shareholder of the company;

- within the last three years has not been employed in an executive capacity by the company or another group member, or been a Director after ceasing to hold any such employment;
- within the last three years has not been a principal of a material professional adviser or a material consultant to the company or another group member, or an employee materially associated with the service provided;
- is not a material\* supplier or customer of the company or other group member, or an officer of or otherwise associated directly or indirectly with a material supplier or customer;
- has no material\* contractual relationship with the company or another group member other than as a Director of the company;
- has not served on the board for a period which could, or could reasonably be perceived to, materially interfere with the Director's ability to act in the best interests of the company; and
- is free from any interest and any business or other relationship which could, or could reasonably be perceived to, materially interfere with the Director's ability to act in the best interests of the company.

\*No non-executive Director is a supplier to or customer of the Group, nor does any non-executive Director have a contractual relationship with the Group (other than as a Director of the Company) and therefore the Board has not had to consider any materiality threshold.

### 4.2 HUMAN RESOURCES, REMUNERATION AND NOMINATION COMMITTEE

The role of the Human Resources, Remuneration and Nomination Committee is to review and make recommendations to the Board on the remuneration packages and policies applicable to the Chief Executive Officer, senior executives and Directors themselves. It also plays a role in evaluation of the performance of the Chief Executive Officer and management succession planning. This role also includes responsibility for share schemes, incentive performance packages, superannuation entitlements, fringe benefits policies and professional indemnity and liability insurance policies. The Remuneration Committee obtains independent advice on the appropriateness of remuneration packages, given trends in comparative companies both locally and internationally.

The Committee also oversees the appointment and induction process for directors. It reviews the composition of the Board and makes recommendations on the appropriate skill mix, personal qualities, expertise and diversity. When a vacancy exists or there is a need for particular skills, the Committee, in consultation with the Board, determines the selection criteria based on the skills deemed necessary. Potential candidates are identified by the Committee with advice from an external consultant, where appropriate. The Board then appoints the most suitable candidate who must stand for election at the next general meeting of shareholders. The Nomination Committee is also responsible for the selection, appointment and succession planning process of the Company's Chief Executive Officer.

Members of the Human Resources, Remuneration and Nomination Committee during the year were Mr W P Day (Chairman), Mr D W J Bourke (Chairman), Mr J G Young, Mr J R Marshall, Dr M T Jones and Dr V Braach-Maksvytis.

The Human Resources, Remuneration and Nomination Committee meet as and when required. The Committee has a documented charter, approved by the Board. The charter may be viewed on the Company's website.

The performance of all Directors is reviewed by the Chairman each year. Directors whose performance is unsatisfactory are asked to retire.

#### 4.3 REMUNERATION REPORT - AUDITED

#### 4.3.1 Principles of compensation-audited

Remuneration is referred to as compensation throughout this report.

This Remuneration Report outlines the director and executive remuneration arrangements of the Company and the Group in accordance with the requirements of the Corporations Act 2001 and its Regulations. For the purposes of this report Key Management Personnel (KMP) of the Group are defined as those persons having authority and responsibility for planning, directing and controlling the major activities of the Company and the Group, directly or indirectly, including any director (whether executive or otherwise) of the parent company, and the senior executives of the Group. Details of KMP are listed in table 4.3.2

The Remuneration Report also includes remuneration disclosures for two senior managers of the Group who are not KMP but are within the 5 highest paid members of staff not being directors.

The Remuneration Committee reviews and makes recommendations to the Board on remuneration packages and policies applicable to directors, secretary and senior executives of the Company.

The performance of the Company depends upon the quality of its directors and executives. To prosper, the Company must attract, motivate and retain highly skilled directors and executives. To this end, the Company embodies the following principles in its remuneration framework:

- provide competitive rewards to attract high calibre executives:
- link executive rewards to shareholder value and company performance;
- have a significant portion of executive remuneration 'at risk';
   and
- establish appropriate, demanding performance hurdles for variable executive remuneration.

Data is obtained from independent surveys to ensure that compensation throughout the Group is set at market rates having regard to experience and performance. In this regard, formal performance appraisals are conducted at least annually for all employees. Compensation packages may include a mix of fixed compensation, performance-based compensation and equity-based compensation.

In addition to their salaries, the Group also provides non-cash benefits to its key management personnel.

#### Fixed compensation

Fixed compensation consists of base compensation (which is calculated on a total cost basis and includes any FBT charges related to employee benefits including motor vehicles), as well as employer contributions to superannuation funds.

Compensation levels are reviewed annually by the remuneration committee through a process that considers segment and overall performance of the Group. In addition,

data from independent surveys is reviewed to ensure the directors' and senior executives' compensation is competitive in the market place. A senior executive's compensation is also reviewed on promotion.

#### Performance-linked compensation

Performance linked compensation includes both short-term and long-term incentives and is designed to reward key management personnel for meeting or exceeding their financial and personal objectives. The short-term incentive (STI) is an "at risk" bonus provided in the form of cash, while the long-term incentive (LTI) is provided as ordinary shares of Orbital Corporation Limited under the rules of the Executive Long Term Share Plan.

#### **Short-term Incentive**

Executive directors and senior executives may receive bonuses based on the achievement of goals related to the performance of the Group, including a combination of sales, earnings before interest and tax (EBIT) and cash and individual key performance indicators (KPI's). These measures are chosen as they directly align the individual's reward to the Group's strategy and performance. Achievement of budgeted goals may result in bonuses of between 5 20% of salary. No bonus is awarded where performance falls below a minimum.

#### Long-term Incentive

Executives may also be offered shares in the Company's Executive Long Term Share Plan under which offered shares will be granted subject to the satisfaction of performance conditions over a 3 year period or subject to Board discretion for other qualifying reasons. The performance conditions, which are based on the relative ranking of the Total Shareholder Return ("TSR") of the Company to a group of selected peers, apply to determine the number of shares (if any) to be granted to the Executives.

TSR is the percentage increase in a company's share price plus reinvested dividends over a given period and reflects the increase in value delivered to shareholders over that period. The peer group to which the Company's TSR will be compared will comprise the 50 smallest companies, other than resource companies and property and investment trust companies, within the S&P / ASX 300 Index. These companies have a similar market capitalisation to the Company. The TSR performance criterion was chosen as it is widely accepted as one of the best indicators of shareholder wealth creation as it includes share price growth, dividends and other capital adjustments. In addition, this criterion provides a readily obtained objective means of measuring the Group's performance against its peer group.

The Company's TSR ranking at the end of the Performance Period, when compared to the TSR of the peer group will determine the percentage of shares originally offered which will be granted to the Executive.

The following table sets out the relevant percentages based on various percentile rankings of the Company:

Company Performance (TSR Ranking)	% of offered shares issued to each Executive
Up to the 50th percentile	0%
At or above the 50th percentile but below the 75th	50% to 99% (on a straight line basis)
At or above the 75th percentile but below the 90th	100%
At or above the 90th percentile	125%

No shares will be granted unless the Company's TSR is at or above the 50th percentile. In 2008 1,200,000 shares were issued in accordance with the terms of the plan. No shares were issued in the 2007 financial year as the company's performance against its peer group ranked it below the 50th percentile.

At the Company's Annual General Meeting in October 2004, shareholders approved the above plan in relation to the ongoing remuneration of Executive Directors and senior executives.

Executive Directors and senior executives (together with all other eligible employees) are each offered shares in the Company, at no cost to the employees, to the value of \$1,000 per annum under the terms of the Company's Employee Share Plan. There are no performance conditions, but the plan is designed to align the interests of participating employees with those of shareholders. Participation of Executive Directors is subject to shareholder approval.

In considering the Group's performance and benefits for shareholders wealth the Remuneration Committee has regard to the following indices in respect of the current financial year and the previous four financial years.

EBIT is considered in setting the STI as it is considered an important short term financial performance target. Dividends, changes in share price, and return of capital are included in the TSR calculation which is the performance criterion assessed for the LTI.

The STI/LTI were first introduced in 2001 for the 2001/02 financial year. An analysis of the remuneration and performance data since that time has revealed that performance targets in the STI plan have been met in the 2003 and 2004 years, when the company recorded significant improvement in its results and in 2006 and 2007 when the Company achieved strategic goals and positive EBIT. Performance targets under the LTI were met under the LTI for the first time since its inception in 2008 and as a result 1,200,000 shares were issued.

	2008	2007	2006	2005	2004
EBIT (\$ Millions)	0.336	1.603	1.023	(2.320)	2.881
Dividends paid	-	-	-	-	-
Change in share price (\$) Return of capital	(0.190)	0.209	(0.014)	(0.035)	0.015

#### Service Agreements

The service contract for the Chief Executive Officer is unlimited in term, but capable of termination on 12 months notice by the Company. The Company has the right to terminate the contract immediately by making payment equal to 12 months pay in lieu of notice. The Chief Executive Officer has the right to terminate the contract on 3 months notice. The Chief Executive Officer has no entitlement to termination payment in the event of removal for misconduct.

Contractual arrangements between the Company and other senior executives are also unlimited in term and provide for termination on one month's notice (or payment in lieu) in accordance with the Company's standard conditions. On termination of employment, executive directors and senior executives are also entitled to receive their statutory entitlements of accrued annual and long service leave, together with any superannuation benefits.

### Directors' Report for the YEAR ENDED 30 JUNE 2008

#### Non-executive Directors

Total remuneration for all non-executive Directors, last voted upon by shareholders at the 2001 Annual General Meeting, is not to exceed \$400,000 per annum. When setting fees and other compensation for non-executive Directors, the Board seeks independent advice and applies Australian and international benchmarks. The Chairman's base fee is \$100,000 per annum, plus a further fee of \$5,050 per annum for membership of the Audit Committee. Other non-executive Directors' base fees are currently \$50,000 per annum. An additional fee of \$5,050 per annum is payable for membership (other than as Chairman) of the Audit Committee. The

Chairman of that Committee receives an additional fee of \$7,070 per annum.

Non-executive Directors do not receive performance related remuneration.

### 4.3.2 Directors' and Executive Officers' Remuneration Company and Group - audited

Details of the nature and amount of each major element of remuneration of each director of the Company and each of the three named Company executives, and relevant group executives who receive the highest remuneration are:

			Short	Term		Post Employment	Share Based Payments		S300A (1)(e)(i) Proportion of
	Year	Salary and Director's Fees \$	Cash Bonuses \$ (a)	Non- Monetary Benefits \$	Total \$	Employer Superannuation Contributions \$	Employee Share Plans \$ (b)(c)	Total \$	remuneration performance related %
Directors Non-executive									
W Peter Day Chairman (Non-executive)	2008 2007	88,080 -	-	-	88,080 -	7,273 -	-	95,353 -	
Donald W J Bourke Chairman (Non-executive)	2008 2007	11,120 96,376	-	- 7,033	11,120 103,409	1,001 8,674	-	12,121 112,083	
J Grahame Young Director (Non-executive)	2008 2007	52,358 52,358	-	-	52,358 52,358	4,712 4,712	-	57,070 57,070	
John R Marshall Director (Non-executive)	2008 2007	55,050 55,050	-	-	55,050 55,050		-	55,050 55,050	
Mervyn T Jones Director (Non-executive)	2008 2007	11,655 -	-	-	11,655 -	1,049	-	12,704 -	
Vijoleta Braach-Maksvytis Director (Non-executive)	2008 2007	11,655 -	-	-	11,655 -	1,049	-	12,704 -	
Executive									
Rodney A Houston (d) Director and Chief Executive Officer	2008 2007	291,908 277,525	- 37,500	-	291,908 315,025	33,132 30,618	71,930 55,668	396,970 401,311	18.1% 23.2%
Terry D Stinson (e) Director and Chief Executive Officer	2008 2007	36,948 -	-	-	36,948 -	3,325 -	-	40,273 -	0.0% 0.0%
Total Consolidated, all specified directors	2008 2007	558,774 481,309	- 37,500	7,033	558,774 525,842	51,541 44,004	71,930 55,668	682,245 625,514	10.5% 14.9%
Key Management Personnel									
Keith A Halliwell Chief Financial Officer & Company Secretary	2008 2007	234,715 225,387	7,500 30,500	-	242,215 255,887	26,121 24,611	47,710 45,430	316,046 325,928	17.5% 23.3%
B Anthony Fitzgerald Director of Sales & Marketing	2008 2007	203,117 191,813	7,500 23,600	-	210,617 215,413	20,651 18,426	36,690 35,753	267,958 269,592	16.5% 22.0%
Geoff P Cathcart Director of Engineering & Operations	2008 2007	175,600 156,368	7,500 14,800	-	183,100 171,168	15,918 12,994	21,247 15,212	220,265 199,374	13.1% 15.1%
Specified Executives									
David R Worth (f) Senior Engineer	2008 2007	148,596 137,487	5,000 8,932	-	153,596 146,419	17,514 16,374	16,407 14,408	187,517 177,201	11.4% 0.5%
Steven R Ahern (f) Business Development Manager	2008 2007	138,643 139,257	- 2,940	-	138,643 142,197	16,183 15,569	11,615 11,702	166,441 169,468	7.0% 0.0%
Total Consolidated, all specified executives	2008 2007	900,671 850,312	27,500 80,772	-	928,171 931,084	96,387 87,974	133,669 122,505	1,158,227 1,141,563	13.9% 17.8%

#### Notes in relation to the table of directors' and executive officers remuneration - audited

- (a) Bonuses are those paid or accrued as payable in relation to the year reported.
- (b) The fair value of the employee share plan is based upon the market value (at offer date) of shares offered.
- (c) The fair value of the Executive Long Term Share plan is calculated at the date of grant through utilisation of the assumptions underlying the Black-Scholes methodology to produce a Monte-Carlo simulation model and allocated to each reporting period evenly over the period from grant date to vesting date. The value disclosed is the portion of the fair value of the shares recognised in this reporting period. In valuing the shares the hurdles that must be met before the executive long term share plan shares vest in the holder have been taken into account. The following factors and assumptions were used in determining the fair value of shares on grant date:

Grant Date	Life	Fair Value per share	Exercise Price	Price of shares on grant date	Expected volatility	Risk free interest rate
30-Aug-05	3 years	9.9 cents	nil	11.0 cents	38.80%	5.03%
31-Aug-06	3 years	7.1 cents	nil	9.6 cents	33.40%	5.79%
31-Aug-07	3 years	17.3 cents	nil	22.0 cents	45.40%	6.20%

- (d) Dr Houston resigned from the Board effective 20 June 2008.
- (e) Mr Stinson was appointed to the Board effective 21 June 2008.
- (f) Mr Worth and Mr Ahern are included above as their remuneration is within the 5 highest paid executives not being directors.

#### 4.3.3 Analysis of Bonuses and Performance Based Remuneration - audited

The short-term cash bonus is for performance during the current financial year using the criteria set out on page 11. The amount was determined after performance reviews were completed in January 2008 and approved by the Board of Directors in February 2008. The short-term cash bonus is fully vested in the recipient in the financial year. No amounts vest in future years in respect of the bonus scheme

#### 4.3.4 Equity Instruments

All shares refer to ordinary shares of Orbital Corporation Limited.

#### 4.3.4.1 Analysis of Shares Offered as Compensation - audited

Details of the nature and amount of the shares offered under the LTI to each key management person during the reporting period are as follows:

	Empl	oyee Share Plan N	No. 1	Executive Long Term Share Plan			
	Number of shares issued	Share price	Value (a) \$	Number of shares granted	Value (b) \$	Number of shares vested	
Directors Executive R A Houston Key Management Personnel	3,238	\$0.3088	1,000	410,000	70,930	300,000	
K A Halliwell B A Fitzgerald G P Cathcart	3,238 3,238 3,238	\$0.3088 \$0.3088 \$0.3088	1,000 1,000 1,000	270,000 170,000 170,000	46,710 29,410 29,410	300,000 200,000 85,000	

- (a) The fair value of the employee share plan No. 1 is based upon the market value (at offer date of 31 October 2007) of shares offered. This award is fully vested.
- (b) Represents the fair value of shares (17.3 cents) offered on 31 August 2007 using a Monte-Carlo simulation model. The granting of these shares is subject to the achievement of performance conditions related to the Total Shareholder Return ("TSR") of the Company compared to a peer group of selected companies over a three year period. These performance conditions were met in respect of shares offered in August 2004 and shares in relation to that offer were vested at the expiration of the performance period during the 2008 financial year.

#### 4.3.4.2 Modification of terms of equity-settled sharebased payment transactions - audited

No terms of equity-settled share based payment transactions have been altered or modified during the reporting period.

#### 4.4 AUDIT COMMITTEE

The role of the Audit Committee is to give the Board of Directors additional assurance regarding the quality and reliability of financial information prepared for use by the Board in determining accounting policies for inclusion in the financial report. The Committee has a documented charter, approved by the Board. The charter is available on the Company's website.

All members of the Committee must be independent, non-executive directors.

Members of the Audit Committee during the year were Mr J G Young (Chairman), Mr W P Day, Mr J R Marshall, Dr M T Jones, Dr V Braach-Maksvytis and Mr D W J Bourke. The external auditors, Chief Executive Officer, Chief Financial Officer, Company Secretary and other financial and accounting staff are invited to Audit Committee meetings at the discretion of the Committee. The Chief Executive Officer and Chief Financial Officer declared in writing to the Board that the Company's financial reports for the year ended 30 June 2008 present a true and fair view, in all material respects, of the Company's

### Directors' Report for the YEAR ENDED 30 JUNE 2008

financial condition and operational results and are in accordance with relevant accounting standards. This statement is required annually.

The responsibilities of the Audit Committee include, liaising with the external auditors and ensuring that the annual and half-year statutory audits/reviews are conducted in an effective manner; reviewing and ensuring management implement appropriate and prompt remedial action for any deficiencies identified; monitoring compliance with Australian and international taxation requirements, the Australian and United States corporations laws and Stock Exchange Listing Rules; and improving quality of the accounting function.

The Audit Committee reviews the performance of the external auditors on an annual basis and meets with them to discuss audit planning matters, statutory reporting and as required for any special reviews or investigations deemed necessary by the Board. The Audit Committee also assesses whether non-audit services provided by the external auditor are consistent with maintaining the external auditor's independence and provides advice to the Board whether the provision of such services by the external auditor is compatible with the general standard of independence of auditors imposed by the Corporations Act 2001. The Audit Committee charter provides for rotation of the external audit partner every five years.

#### 4.5 RISK MANAGEMENT

The Board oversees the establishment, implementation and review of the Company's risk management systems, which have been established by management for assessing, monitoring and managing operational, financial reporting and compliance risks for the Group. Responsibility for establishing and maintaining effective risk management strategies rests with senior management, accountable to the Chief Executive Officer and the Audit Committee of the Board. The Audit Committee reviews the risk management and internal control structure implemented by management so as to obtain reasonable assurance that the Group's assets are safeguarded and that reliable financial records are maintained. The Chief Executive Officer and Chief Financial Officer have declared, in writing to the Board, that they have evaluated the effectiveness of the company's financial disclosure controls and procedures and have concluded that they are operating efficiently and effectively. Operational and other compliance risk management has also been reviewed and found to be operating efficiently and effectively. Details of the Company's risk management policy are available on the Company's website.

#### Risk Profile

Risks to the Group arise from matters such as competitive technologies that may be developed, delays in government regulation, reduction in development and testing expenditure by the Company's customers, the impact of exchange rate movements on royalty receipts, environmental issues, occupational safety and health and financial reporting.

#### Internal Control Framework

The Board recognises that no cost effective internal control system will preclude all errors and irregularities. The system is based upon written procedures, policies and guidelines, an organisational structure that provides an appropriate division of responsibility, and the careful selection and training of qualified personnel.

Established practices ensure:

• Capital expenditure commitments are subject to authority

- level approval procedures
- Financial exposures are controlled by the use of forward exchange contracts where appropriate
- Occupational safety and health issues are monitored by a management committee
- Financial reporting accuracy and compliance with regulatory requirements
- Compliance with environmental regulation

To ensure that its engineering services are of the highest standard, the Group has obtained ISO 9001 accreditation for research, design and development services to the world's producers of powertrain and engine management systems and the provision of general engineering services.

Where risks, such as natural disasters, cannot be adequately mitigated using internal controls, those risks are transferred to third parties through insurance coverage to the extent considered appropriate.

#### **Financial Reporting**

The Chief Executive Officer and Chief Financial Officer have declared, in writing to the Board, that the Company's financial reports are founded on a sound system of risk management and internal compliance and control which implements the policies adopted by the Board.

Monthly financial results are reported against budgets approved by the Directors and revised forecasts for the year are prepared regularly.

#### **Environmental Regulation**

The Group holds a number of permits, licences and registrations for environmental regulation under both Australian Commonwealth and State legislation. These permits, licences and registrations are primarily for the storage of fuels and chemicals and the disposal of waste and are reviewed by the Company on an on-going basis. The Directors are not aware of any serious breaches during the period covered by this report.

#### 4.6 ETHICAL STANDARDS

All Directors, managers and employees are expected to act with the utmost integrity and objectivity, striving at all times to enhance the reputation and performance of the Group. Every employee has a nominated supervisor to whom they may refer any issues arising from their employment. The Board has approved a Code of Conduct, applicable to all Directors and employees of the Group, providing for the conduct of business in accordance with the highest ethical standards and sound corporate governance. The Code also incorporates the Company's policy on trading in the Company's securities. A Code of Ethics, relating to Accounting Practice and Financial Reporting, has also been adopted by the Board and applies specifically to the Chief Executive Officer, Chief Financial Officer and senior finance officers of the Company who influence financial performance. The Code of Ethics is complementary to the Code of Conduct, copies of both of which are available on the Company's website.

#### **Directors and Officers Dealing in Company Shares**

The Company's policy with respect to Directors and Officers dealing in the Company's shares or options states that:

 Directors and Officers are prohibited from dealing in the Company's securities at any time when they possess information which, if publicly disclosed, would be likely to affect the market price of the Company's securities;

- Directors and Officers are prohibited from short term trading in the Company's securities;
- Directors must obtain the written approval of the Chairman before undertaking any transactions involving the Company's securities; and
- Directors and Officers are prohibited from undertaking transactions in the Company's securities during the period from one month prior to the proposed release of the Company's annual or half-year result until two days after that release

A copy of the policy is available on the Company's website.

#### Conflict of Interest

In accordance with the Corporations Act 2001 and the Company's constitution, Directors must keep the Board advised, on an ongoing basis, of any interest that could potentially conflict with those of the Company. Where the Board believes that a significant conflict exists the Director concerned must not be present at the meeting whilst the item is considered or vote on the matter. The Board has procedures in place to assist Directors to disclose potential conflicts of interest.

### 4.7 CONTINUOUS DISCLOSURE AND COMMUNICATION WITH SHAREHOLDERS

The Board of Directors aims to ensure that shareholders are informed of all major developments affecting the Group's state of affairs. The Board has adopted a policy to identify matters that may have a material effect on the price of the Company's securities and to notify the Australian Stock Exchange as required.

This policy on Release of Price Sensitive Information is overseen and coordinated by the Company Secretary. All directors, officers and members of the Company's management committee are required to forward details of any potentially price sensitive information to the Company Secretary, who is also to be made aware, in advance, of proposed information disclosures (including information to be presented at private briefings) to enable consideration of the continuous disclosure requirements. Proposed announcements are to be approved by the Managing Director and either the Chairman or Company Secretary prior to release to the Australian Stock Exchange. The Company Secretary is responsible for all communications with the ASX.

Information is communicated to shareholders as follows:

- The annual financial report is distributed to all shareholders (and to American Depositary Receipt (ADR) holders) on request in accordance with Corporation Act 2001 requirements and includes relevant information about the operations of the Group during the year, changes in the state of affairs of the Group and details of future developments, in addition to other disclosures required by the Corporations Act 2001 and US Securities Law;
- The half-yearly report contains summarised financial information and a review of the operations of the Group during the period. The half-year financial report is prepared in accordance with the requirements of Accounting Standards and the Corporations Act 2001 and is lodged with Australian and United States regulatory bodies and stock exchanges. Financial reports are sent to any shareholder or ADR holder who requests them; and
- Continuous disclosure of material information to the stock exchanges, media outlets and via the Company's website.

We encourage all shareholders to register email contact details on our website to enable concurrent electronic communication. All announcements made to market are placed on the Company's website immediately after release to the Australian Stock Exchange.

The Board encourages participation of shareholders at the Annual General Meeting to ensure a high level of accountability and identification with the Group's strategy and goals. Important issues are presented to the shareholders as single resolutions. The Company's external auditor is requested to attend annual general meetings to answer any questions concerning the audit and the content of the auditor's report.

Shareholders are requested to vote on the appointment of Directors, aggregate remuneration of non-executive directors, the granting of shares to Directors and changes to the Constitution. A copy of the Constitution is available to any shareholder who requests it.

The Company's policy on Release of Price Sensitive Information and its policy on communication with shareholders are available on the Company's website.

#### PRINCIPAL ACTIVITIES

Orbital is an international developer of innovative technical solutions for a cleaner world. Orbital provides innovation, design, product development and operational improvement services to the world's producers, suppliers, regulators and end users of engines and engine management systems for applications in motorcycles, marine and recreational vehicles, automobiles and trucks.

There were no significant changes in the nature of the activities of the Group during the year.

#### 6. CONSOLIDATED RESULT

The consolidated profit after income tax for the year attributable to the members of Orbital was \$0.469 million (2007: \$1.333 million).

#### 7. OPERATING AND FINANCIAL REVIEW

A comprehensive review of operations of the consolidated entity is set out in pages 3 to 7 of this report.

The headline financial results for Orbital for the year ended 30 June 2008 are shown below.

	Year ended 30 June 2008	Year ended 30 June 2007
Revenue (\$m)	14.939	15.256
Net profit/(loss)(\$m)	0.469	1.333
EPS (cents)	0.099	0.299

Total revenue for the year ended 30 June 2008 decreased marginally to \$14.9 million (2007: \$15.2 million). Revenue generated in US dollars was negatively impacted by the strength of the Australian dollar. The average exchange rate in FY2008 was 92 US cents compared to 80 cents in FY2007, reducing revenue by \$0.6 million year-on-year.

Engineering revenue decreased by \$0.8 million (7%) to \$11.7 million, offset by increased royalty and licence income of \$0.4 million to \$2.7 million and increased other income of \$0.1 million. The engineering income was generated across a range of programs including the second National In-Service Emissions Study for the Commonwealth Government through the Roads and Traffic Authority of NSW and a health impact study for E5-E10 fuel. Engineering revenue from North American customers declined by \$2.4 million (45%) as a result of tough economic conditions in the USA.

### Directors' Report for the YEAR ENDED 30 JUNE 2008

Royalty volumes were steady year-on-year, representing a solid performance considering the significant downturn in the North American marine market. Royalties received were negatively impacted by the strong Australian dollar but this was offset by increased licence fees.

Orbital's profits from Synerject LLC, its North American manufacturing joint venture with Continental, were reduced to \$2.4 million compared to \$3.2 million last financial year. The strengthening Australian dollar was a significant factor, impacting the result by approximately \$0.4 million.

Synerject's revenue and profit was also influenced by tough economic conditions in the USA, particularly in the marine market. North American customers represent 55% of Synerject's total revenue.

Synerject commissioned a manufacturing facility in China during the year which commenced production and shipped its first product to customers in Taiwan. The initial low volumes and start up costs resulted in a US\$2.0 million loss for Synerject China, compared to US\$0.7 million in FY2007. Notwithstanding these factors, Synerject generated US\$2.6 million operating cash flow for the year, paid dividends to Orbital and Continental and remains in a strong financial position with a gearing ratio of only 18%.

Total expenses were similar to last year, with employee expenses increasing by 4% to \$9.8 million due to inflationary pressures in Western Australia. Operating consumables decreased by \$0.7 million (44%) due to reduced engineering activity and project mix.

Compliance costs increased by \$0.1 million due to the implementation of a Sarbanes Oxley section 404 compliance program. Finance costs of \$0.9 million (FY2007: \$0.8 million) consist of a notional interest charge (non cash) representing the write up of long term, non-interest bearing borrowings to amortised cost in each accounting period.

Orbital's net cash outflow from operating activities was \$0.9 million. Prior to changes in assets and liabilities, operating activity cash outflow was \$0.1 million. At 30 June 2008 receivables included the \$2.8 million Commonwealth Government grant which was received in July. In FY2007 Orbital raised \$4.0 million through a share placement and successfully completed a share purchase plan raising a further \$5.2 million. After transaction costs, a total of \$8.8 million was raised.

At 30 June 2008 Orbital had cash on hand of \$8.8 million.

#### DIVIDENDS

No dividend has been paid or proposed in respect of the current financial year.

#### STATE OF AFFAIRS

There were no significant changes in the state of affairs of the Group during the financial year.

#### 10. EVENTS SUBSEQUENT TO BALANCE DATE

There has not arisen in the interval between the end of the financial year and the date of this report any item, transaction or event of a material and unusual nature likely, in the opinion of the directors of the Company, to affect significantly the operations of the Group, the results of those operations, or the state of affairs of the Group, in future years.

#### 11. LIKELY DEVELOPMENTS

Information as to the likely developments in the operations of the Group is set out in the review of operations above and pages 3 to 7 of this report. Further information as to the likely developments in the operations of the Group and the expected results of those operations in subsequent financial years has not been included in this report because to include such information would be likely to result in unreasonable prejudice to the Group.

#### DIRECTORS' INTERESTS

The relevant interest of each Director in the share capital of the Company shown in the Register of Directors' Shareholdings as at the date of this report is as follows:

Director	Ordinary Shares
W P Day	100,000
T D Stinson	-
J G Young	248,537
J R Marshall	66,880
M T Jones	-
V Braach-Maksvytis	-
	415,417

#### 13. SHARE OPTIONS

The Company has no unissued shares under option at the date of this report.

### 14. INDEMNIFICATION AND INSURANCE OF OFFICERS

To the extent permitted by law, the Company indemnifies every officer of the Company against any liability incurred by that person:

- (a) in his or her capacity as an officer of the Company;
- (b) to a person other than the Company or a related body corporate of the Company

unless the liability arises out of conduct on the part of the officer which involves a lack of good faith.

During the year the Company paid a premium in respect of a contract insuring all Directors, Officers and employees of the Company (and/or any subsidiary companies of which it holds greater than 50% of the voting shares) against liabilities that may arise from their positions within the Company and its controlled entities, except where the liabilities arise out of conduct involving a lack of good faith. The Directors have not included details of the nature of the liabilities covered or the amount of the premium paid in respect of the insurance contract as such disclosure is prohibited under the terms of the contract.

#### 15. NON-AUDIT SERVICES

During the year Ernst & Young, the Company's auditor, has performed certain other services in addition to their statutory duties.

The Board has considered the non-audit services provided during the year by the auditor and in accordance with advice provided by resolution of the Audit Committee is satisfied that the provision of those non-audit services by the auditor during the year is compatible with, and did not compromise, the auditor independence requirements of the Corporations Act 2001 for the following reasons:

 all non-audit services were subject to the corporate governance procedures adopted by the Company and have been reviewed by the Audit Committee to ensure that they do not impact the integrity and objectivity of the auditor;

 the non-audit services do not undermine the general principles relating to auditor independence as set out in Professional Statement F1 Professional Independence, as they did not involve reviewing or auditing the auditor's own work, acting in a management or decision making capacity for the Company, acting as an advocate for the Company or jointly sharing risks and rewards.

A copy of the auditor's independence declaration as required under section 307C of the Corporations Act 2001 is shown below.

Details of the amounts paid to the auditor of the Company, Ernst & Young, and its related practices for audit and non-audit services provided during the year are shown in note 38.

#### 16. LEAD AUDITOR'S INDEPENDENCE DECLARATION UNDER SECTION 307C OF THE CORPORATIONS ACT 2001

The Lead Auditor's Independence Declaration under section 307C of the Corporations Act 2001 below forms part of the directors' report for the financial year ended 30 June 2008.

#### 17. ROUNDING OFF

The Company is of a kind referred to in ASIC Class Order 98/100 dated 10 July 1998 and in accordance with that Class Order, amounts in the financial report and Directors' Report have been rounded off to the nearest thousand dollars unless otherwise indicated.

Signed in accordance with a resolution of the Directors:

WPDAY T D STINSON
Chairman Managing Director

Dated at Perth, Western Australia this 20th day of August 2008.

#### Lead Auditor's Independence Declaration



Ernst & Young Building 11 Mounts Bay Road Perth WA 6000 Australia GPO Box M939 Perth WA 6843

Tel: + 61 8 9429 2222 Fax: +61 8 9429 2436 www.ey.com/au

#### Auditor's Independence Declaration to the Directors of Orbital Corporation Limited

In relation to our audit of the financial report of Orbital Corporation Limited for the financial year ended 30 June 2008, to the best of my knowledge and belief, there have been no contraventions of the auditor independence requirements of the Corporations Act 2001 or any applicable code of professional conduct.

Ernst & Young



G Lotter Partner Perth 21 August 2008

Liability limited by a scheme approved under Professional Standards Legislation

# Income Statements FOR THE YEAR ENDED 30 JUNE 2008

	NOTE	CON	ISOLIDATED	THE C	OMPANY
		2008	2007	2008	2007
		\$'000	\$'000	\$'000	\$'000
Engineering services income		11,681	12,514	-	-
Licence and royalty income		2,684	2,294	-	-
Other revenue	7	574	448	438	319
Total Revenue		14,939	15,256	438	319
Other income	8	372	390	371	600
Employee benefits expense	9(a)	(9,812)	(9,428)	-	-
Depreciation and amortisation		(1,272)	(1,001)	-	-
Engineering consumables and contractors		(924)	(1,641)	-	-
Travel and accommodation		(1,013)	(980)	-	-
Communications and computing		(649)	(647)	-	-
Patent costs		(404)	(509)	-	-
Insurance costs		(388)	(422)	-	-
Audit, compliance and listing costs		(817)	(702)	-	(2)
Settlement of legal dispute		-	(582)	-	-
Impairment losses in carrying value of investments		-	-	(1,974)	-
Finance costs	9(b)	(886)	(816)	(687)	(654)
Other expenses	9(c)	(1,479)	(840)	-	-
Share of profit of jointly controlled entity	16	2,357	3,157		-
Profit/(loss) before income tax		24	1,235	(1,852)	263
Income tax benefit	10(b)	445	98		
Profit/(loss) for the year attributable to the					
members of the parent entity		469	1,333	(1,852)	263
Earnings per share:					
Basic earnings per share (in cents)	11	0.10	0.30		
Diluted earnings per share (in cents)	11	0.10	0.29		
, ,					

The income statements are to be read in conjunction with the notes to the financial statements set out on pages 22 to 54.

### Statements of Recognised Income and Expense for the YEAR ENDED 30 JUNE 2008

	NOTE	CONSOLIDATED		THE COMPANY	
		2008 \$'000	2007 \$'000	2008 \$'000	2007 \$'000
Foreign currency translation reserve	27(b)	(1,627)	(1,692)	-	-
Share of jointly controlled entity's cash flow hedge reserve	27(b)	(35)	(37)	-	-
Income and expense recognised directly in equity		(1,662)	(1,729)		
Profit/(loss) for the period		469	1,333	(1,852)	263
Total recognised income and expense for the period		(1,193)	(396)	(1,852)	263

The above items are net of tax where applicable.

The statements of recognised income and expense are to be read in conjunction with the notes to the financial statements set out on pages 22 to 54.

# Balance Sheets AS AT 30 JUNE 2008

	NOTE	CON	SOLIDATED	THE COMPANY		
		2008	2007	2008	2007	
		\$'000	\$'000	\$'000	\$'000	
Assets						
Cash and cash equivalents	12	8,804	11,287	3,020	8,858	
Trade and other receivables	13	7,198	4,544	30	81	
Inventories	14	1,697	6			
Total Current Assets		17,699	15,837	3,050	8,939	
Trade and other receivables	13	-	-	17,375	12,826	
Investments	15	-	-	15,647	17,341	
Interest in jointly controlled entity	16	13,109	12,974	-	-	
Deferred tax assets	17	5,494	6,082	-	-	
Property, plant & equipment Goodwill	18 19	5,586	6,107	-	-	
	19	351	-			
Total Non-Current Assets		24,540	25,163	33,022	30,167	
Total Assets		42,239	41,000	36,072	39,106	
Liabilities						
Trade and other payables	20	7,322	4,214	6,431	8,582	
Employee benefits	23	1,028	1,190	-	-	
Other provisions	24	126	-	-	-	
Government grants	25	2,760	-			
Total Current Liabilities		11,236	5,404	6,431	8,582	
Non interest bearing liabilities	22	14,151	17,958	14,151	13,463	
Employee benefits	23	1,362	1,236			
Total Non-Current Liabilities		15,513	19,194	14,151	13,463	
Total Liabilities		26,749	24,598	20,582	22,045	
Net Assets		15,490	16,402	15,490	17,061	
Equity						
Share capital	26	225,720	225,560	225,720	225,560	
Reserves	27	(2,457)	(916)	896	775	
Accumulated losses	27	(207,773)	(208,242)	(211,126)	(209,274)	
Total Equity		15,490	16,402	15,490	17,061	

 $The \ balance\ sheets\ are\ to\ be\ read\ in\ conjunction\ with\ the\ notes\ to\ the\ financial\ statements\ set\ out\ on\ pages\ 22\ to\ 54.$ 

## Statements of Cash Flows for the YEAR ENDED 30 JUNE 2008

NOTE	CON	NSOLIDATED	THE COMPANY			
	2008 \$'000	2007 \$'000	2008 \$'000	2007 \$'000		
Cash Flows from Operating Activities						
Cash receipts from customers Cash paid to suppliers and employees Cash used in operations Interest income Income taxes paid	10,728 (12,176) (1,448) 574 (11)	14,267 (14,516) (249) 377 (310)	490	(2) (2) 238		
Net cash provided by/(used in) operating activities 31	(885)	(182)	490	236		
Cash Flows from Investing Activities						
Synerject dividend received Proceeds from sale of property, plant & equipment Acquisition of property, plant & equipment Costs incurred in acquisition of business 33 Acquisition of business 33 Loans to controlled entities Loan repayments to controlled entities Net cash used in investing activities	958 8 (727) (111) (1,758) - (1,630)	33 (677)	(4,548) (1,780) (6,328)	(185)		
Cash Flows from Financing Activities  Proceeds from issue of share capital		9,204		9,204		
Transaction costs from issue of shares	-	(412)	-	(412)		
Net cash provided by financing activities	-	8,792	-	8,792		
Net increase/(decrease) in cash and cash equivalents	(2,515)	7,966	(5,838)	8,843		
Cash and cash equivalents at 1 July Effects of exchange rate fluctuations on the balances of cash held in foreign currencies	11,287	3,325	8,858	15		
Cash and cash equivalents at 30 June	8,804	11,287	3,020	8,858		

#### Non-Cash Investing Activities

 $There were no non-cash investing or financing activities for the years ended 30 \, June \, 2007 \, and \, 2008.$ 

The statements of cash flows are to be read in conjunction with the notes to the financial statements set out in pages 22 to 54.

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#### 1. REPORTING ENTITY

Orbital Corporation Limited (the "Company") is a company domiciled in Australia. The address of the Company's registered office is 4 Whipple Street, Balcatta, Western Australia. The consolidated financial report of the Company for the year ended 30 June 2008 comprises the Company and its subsidiaries (together referred to as the "Group") and the Group's interest in jointly controlled entities.

The consolidated financial report was authorised for issue by the directors on 20 August 2008.

#### 2. BASIS OF PREPARATION

#### (a) Statement of Compliance

The financial report complies with Australian Accounting Standards as issued by the Australian Accounting Standards Board and International Financial Reporting Standards (IFRS) as issued by the International Accounting Standards Board.

#### (b) Basis of Measurement

The consolidated financial statements have been prepared on the historical cost basis except for derivative financial instruments which are measured at fair value.

The methods used to measure fair values are discussed further in note 5.

#### (c) Functional and Presentation Currency

These consolidated financial statements are presented in Australian dollars, which is the Company's functional currency and the functional currency of the majority of the Group.

The Company is of a kind referred to in ASIC Class Order 98/100 dated 10 July 1998 and in accordance with that Class Order, all financial information presented in Australian dollars has been rounded to the nearest thousand unless otherwise stated.

#### (d) Use of Estimates and Judgements

The preparation of financial statements requires management to make judgements, estimates and assumptions that affect the application of accounting policies and reported amounts of assets, liabilities, income and expenses. Actual results may differ from these estimates.

Estimates and underlying assumptions are reviewed on an ongoing basis. Revisions to accounting estimates are recognised in the period in which the estimate is revised if the revision affects only that period, or in the period of the revision and future periods if the revision affects both current and future periods.

Judgements made by management in the application of Australian Accounting Standards that have a significant effect on the financial report and estimates with a significant risk of material adjustment in the next year are discussed in note 4.

#### 3. SIGNIFICANT ACCOUNTING POLICIES

The accounting policies set out below have been applied consistently to all periods presented in these consolidated financial statements, and have been applied consistently by Group entities.

The Group has adopted AASB 7 Financial Instruments: Disclosures and all consequential amendments which became applicable on 1 July 2007. The adoption of this standard has only affected the disclosure in these financial statements. There has been no affect on profit and loss or the financial position of the entity.

Certain comparative amounts have been reclassified to conform with the current year's presentation.

#### (a) Basis of Consolidation

#### (i) Subsidiaries

Subsidiaries are entities controlled by the Group. Control exists when the Company has the power, directly or indirectly, to govern the financial and operating policies of an entity so as to obtain benefit from its activities. In assessing control, potential voting rights that presently are exercisable or convertible are taken into account. The financial statements of subsidiaries are included from the date control commences until the date control ceases.

Investments in subsidiaries are carried at their cost of acquisition less impairment losses in the Company's financial statements

#### (ii) Joint Ventures

The Group has an interest in a joint venture that is a jointly controlled entity. Joint ventures are contractual arrangements whereby two or more parties undertake an economic activity that is subject to joint control. A jointly controlled entity is a joint venture that involves the establishment of a corporation, partnership or other entity in which each venturer has an interest. The Group accounts for its interest in the jointly controlled entity using the equity method of accounting. Under the equity method, the investment in the joint venture is carried in the consolidated balance sheet at cost plus post-acquisition changes in the Group's share of net assets of the joint venture. After application of the equity method, the Group determines whether it is necessary to recognise any impairment loss with respect to the Group's net investment in the joint venture.

The Group's share of the joint venture's post-acquisition profits or losses is recognised in the income statement, and its share of post-acquisition movements in reserves is recognised in reserves. The cumulative post-acquisition movements are adjusted against the carrying amount of the investment. Dividends received from the joint venture are recognised in the consolidated financial statements as a reduction of the carrying amount of the investment.

When the Group's share of losses in the joint venture equals or exceeds its interest in the joint venture, including any unsecured long-term receivables or loans, the Group does not recognise further losses, unless it has incurred obligations or made payments on behalf of the joint venture.

The reporting date of the joint venture and the Group are identical and the joint venture's accounting policies conform to those used by the Group for like transactions and events in similar circumstances.

#### (iii) Transactions Eliminated on Consolidation

Intra-group balances, and any unrealised gains and losses or income and expenses arising from intra-group transactions, are eliminated in preparing the consolidated financial statements. Unrealised gains arising from transactions with joint venture entities are eliminated to the extent of the Group's interest in the entity with adjustments made to the investment in the joint venture. Unrealised losses are eliminated in the same way as unrealised gains, but only to the extent that there is no evidence of impairment. Gains and losses are recognised as the contributed assets are consumed or sold by the joint venture entity or, if not consumed or sold by the joint venture entity, when the Group's interest in such entities is disposed of.

#### (b) Foreign Currency

#### (i) Foreign currency transactions

Transactions in foreign currencies are translated to the respective functional currencies of Group entities at exchange rates at the dates of the transactions. Monetary assets and liabilities denominated in foreign currencies at the reporting date (except those representing the Group's net investment in subsidiaries and jointly controlled entities see below) are retranslated to the functional currency (Australian dollars) at the exchange rate at that date. Foreign exchange differences arising on translation are recognised in the income statement. Non-monetary assets and liabilities that are measured in terms of historical cost in a foreign currency are translated using the exchange rate at the date of the transaction. Non-monetary assets and liabilities denominated in foreign currencies that are stated at fair value are translated to the functional currency (Australian dollars) at exchange rates ruling at the dates the fair value was determined.

#### (ii) Financial statements of foreign operations

The assets and liabilities of foreign operations are translated to Australian dollars at exchange rates ruling at the reporting date. The revenues and expenses of foreign operations are translated to Australian dollars at rates approximating the exchange rates ruling at the dates of the transactions. Foreign exchange differences arising on retranslation are recognised directly in a separate component of equity described as 'foreign currency translation reserve'.

#### (iii) Net investment in foreign operations

Exchange differences arising from the translation of the net investment in foreign operations are taken to the foreign currency translation reserve. They are released into the income statement upon disposal.

#### (c) Financial Instruments

#### (i) Non-derivative financial instruments

Non-derivative financial instruments comprise trade and other receivables, cash and cash equivalents, loans and borrowings, and trade and other payables.

Non-derivative financial instruments are recognised initially at fair value plus, for instruments not at fair value through profit or loss, any directly attributable transaction costs. Subsequent to initial recognition non-derivative financial instruments are measured as described below.

A financial instrument is recognised if the Group becomes party to the contractual provisions of the instrument. Financial assets are derecognised if the Group's contractual rights to the cash flows from the financial asset expire or if the Group transfers the financial asset to another party without retaining control or substantially all risks and rewards of the asset. Regular way purchases and sales of financial assets are accounted for at trade date, i.e., the date that the Group commits itself to purchase or sell the asset. Financial liabilities are derecognised if the Group's obligations specified in the contract expire or are discharged or cancelled.

#### Trade receivables

Trade receivables are stated at their amortised cost, less impairment losses. Normal settlement terms are 30 to 60 days. The collectability of debts is assessed at balance sheet date and specific allowance is made for any doubtful accounts. Individual debts that are known to be uncollectible are written off when identified. An impairment provision is recognised

when there is objective evidence that the Group will not be able to collect the receivable. Financial difficulties of the debtor, default payments or debts more than 60 days overdue are considered objective evidence of impairment. The amount of the impairment loss is the receivable carrying amount compared to the present value of estimated future cash flows, discounted at the original effective interest rate.

#### Cash

Cash and cash equivalents comprise cash balances, at call deposits and bank-endorsed bills of exchange at discounted value.

#### Non-interest bearing liabilities

Included in non-current liabilities is an amount owing to the Government of Western Australia resulting from a loan of \$19,000,000 made to the Company in 1989. The loan is interest-free until repayment of this loan becomes due in May 2014 or prior to that date, by five equal annual instalments, if the worldwide aggregate number of OCP engines produced exceeds 5,000,000. The aggregate number of engines produced with OCP technology as at 30 June 2008 totalled approximately 597,000 (2007: 556,000).

The non-interest bearing loan from the Government of Western Australia was recognised initially at fair value and subsequently stated at amortised cost with any difference between cost and repayment value being recognised in the income statement over the period of the borrowings on an effective interest basis.

Included in current liabilities is an amount owing to Continental Corporation for the Group to maintain its 50% interest in Synerject LLC by the payment of US\$4 million which has been deferred from 28 September 2006 to 30 June 2008. The liability was initially recognised at its fair value and subsequently stated at amortised cost with any difference between the fair value and the future payment value being recognised in the income statement over the period of the settlement deferral under the effective interest rate method.

#### Trade payables

Liabilities are recognised for amounts due to be paid in the future for goods or services received. Trade and other payables are stated at their amortised cost.

Trade payables are non-interest bearing and are normally settled on 30-day terms.

#### (ii) Derivative financial instruments

The Group may use derivative financial instruments to hedge its exposure to foreign exchange fluctuations and interest rate movements. In accordance with its treasury policy, the Group entity does not hold the derivative financial instruments for trading purposes. However, derivatives that do not qualify for hedge accounting are accounted for as trading instruments.

Derivative financial instruments are recognised initially at fair value. Subsequent to initial recognition, derivative financial instruments are stated at fair value. Changes in the fair value of the derivative financial instrument that are not designated as cash flow hedging instruments are recognised in profit or loss.

#### Cash flow hedges

Changes in the fair value of the derivative hedging instrument designated as a cash flow hedge are recognised directly in equity to the extent that the hedge is effective. To the extent that the hedge is ineffective, changes in fair value are recognised in profit or loss.

If the hedging instrument no longer meets the criteria for hedge

accounting, expires or is sold, terminated or exercised, then hedge accounting is discontinued prospectively. The cumulative gain or loss previously recognised in equity remains there until the forecast transaction occurs. When the hedged item is a non-financial asset, the amount recognised in equity is transferred to the carrying amount of the asset when it is recognised. In other cases the amount recognised in equity is transferred to profit or loss in the same period that the hedged item affects profit or loss.

#### (d) Property, Plant and Equipment

#### (i) Recognition and measurement

Items of property, plant and equipment are stated at cost less accumulated depreciation and impairment losses.

Cost includes expenditures that are directly attributable to the acquisition of the asset.

#### (ii) Subsequent costs

The cost of replacing part of an item of property, plant and equipment is recognised in the carrying amount of the item if it is probable that the future economic benefits embodied within the part will flow to the Group and its cost can be measured reliably. The cost of day-to-day servicing of property, plant and equipment are recognised in profit or loss as incurred.

#### (iii) Depreciation and Amortisation

Items of property, plant and equipment, including buildings but excluding freehold land, are depreciated/amortised on a straight line basis over their estimated useful lives. The depreciation rates used in the current and comparative period for each class of asset are as follows: Buildings 2.5%; Plant and Equipment 6.67% to 33.3%. Assets are depreciated or amortised from the date of acquisition.

The residual value, the useful life and the depreciation method applied to an asset are reassessed at least annually.

#### (iv) Valuation

Land and buildings are independently valued every three years on a market value basis of valuation. The Directors then use these valuations to assess the recoverable amount of land and buildings.

#### (v) Asset Sales

The net profit or loss from asset sales are included as other income or expenses of the Group. The profit or loss on disposal of assets is brought to account at the date that an unconditional contract of sale is signed. The profit or loss on disposal is calculated as the difference between the carrying amount of the asset at the time of disposal and the net proceeds on disposal.

#### (e) Intangibles

#### (i) Research and Development

Expenditure on research activities, undertaken with the prospect of gaining new scientific or technical knowledge and understanding, is recognised in the income statement as an expense as incurred.

Expenditure on development activities, whereby research findings are applied to a plan or design for the production of new or substantially improved products and processes, is capitalised if the product or process is technically and commercially feasible and the Group has sufficient resources to complete development.

Expenditure on intangibles which may be capitalised includes the cost of materials, direct labour and an appropriate

proportion of overheads. Other development expenditure is recognised in the income statement as an expense as incurred. Capitalised expenditure is stated at cost less accumulated amortisation and impairment losses. Amortisation is charged to the income statement on a straight-line basis over the estimated useful lives of intangible assets unless such lives are indefinite.

#### (ii) Patents, Licences and Technologies

Patents, licences and technology development and maintenance costs are expensed as incurred.

#### (f) Inventories

Inventories are carried at the lower of cost and net realisable value. Cost is based on the first-in first-out principle and includes expenditure incurred in acquiring the inventories and bringing them to their present location and condition. Net realisable value is the estimated selling price in the ordinary course of business, less the estimated costs of completion and selling expenses.

#### (g) Impairment

#### (i) Financial assets

A financial asset is considered to be impaired if objective evidence indicates that one or more events have had a negative effect on the estimated future cash flows of that asset.

An impairment loss in respect of a financial asset measured at amortised cost is calculated as the difference between its carrying amount, and the present value of the estimated future cash flows discounted at the original effective interest rate. An impairment loss in respect of an available-for-sale financial asset is calculated by reference to its current fair value.

Individually significant financial assets are tested for impairment on an individual basis. The remaining financial assets are assessed collectively in groups that share similar credit risk characteristics.

All impairment losses are recognised in profit or loss. Any cumulative loss in respect of an available-for-sale financial asset recognised previously in equity is transferred to profit or loss.

An impairment loss is reversed if the reversal can be related objectively to an event occurring after the impairment loss was recognised. For financial assets measured at amortised cost and available-for-sale financial assets that are debt securities, the reversal is recognised in profit or loss. For available-for-sale financial assets that are equity securities, the reversal is recognised directly in equity.

#### (ii) Non-financial assets

The carrying amounts of the Group's non-financial assets, other than inventories and deferred tax assets, are reviewed at each reporting date to determine whether there is any indication of impairment. If any such indication exists then the asset's recoverable amount is estimated.

An impairment loss is recognised if the carrying amount of an asset or its cash-generating unit exceeds its recoverable amount. A cash-generating unit is the smallest identifiable asset group that generates cash flows that largely are independent from other assets and groups. Impairment losses are recognised in profit or loss. Impairment losses recognised in respect of cash-generating units are allocated first to reduce the carrying amount of any goodwill allocated to the units and then to reduce the carrying amount of the other assets in the unit (group of units) on a pro rata basis.

The recoverable amount of an asset or cash-generating unit is

the greater of its value in use and its fair value less costs to sell. In assessing value in use, the estimated future cash flows are discounted to their present value using a pre-tax discount rate that reflects current market assessments of the time value of money and the risks specific to the asset.

An impairment loss in respect of goodwill is not reversed. In respect of other assets, impairment losses recognised in prior periods are assessed at each reporting date for any indications that the loss has decreased or no longer exists. An impairment loss is reversed if there has been a change in estimates used to determine the recoverable amount. An impairment loss is reversed only to the extent that the asset's carrying amount does not exceed the carrying amount that would have been determined, net of depreciation or amortisation, if no impairment loss had been recognised.

#### (h) Share capital

#### (i) Dividends

Dividends are recognised as a liability in the period in which they are declared.

#### (ii) Transaction Costs

Transaction costs of an equity transaction are accounted for as a deduction from equity, net of any related income tax benefit.

#### (i) Employee Benefits

#### (i) Short-term benefits

The provisions for employee entitlements to wages, salaries and annual leave, to be settled within 12 months of year end represent present obligations resulting from employees' services provided up to the balance date, calculated at undiscounted amounts based on wage and salary rates that the Group expects to pay as at the reporting date including related on-costs, such as workers' compensation and payroll tax. Expenses for non-accumulating sick leave are recognised when the leave is taken and are measured at the rates paid or payable.

#### (ii) Long Service Leave

The provision for employee entitlements to long service leave represents the present value of the estimated future cash outflows to be made resulting from employees' services provided up to balance sheet date.

The provision is calculated using estimated future increases in wage and salary rates including related on-costs and expected settlement dates based on the Group's experience with staff departures and is discounted using the rates attached to national government securities at balance sheet date, which most closely match the terms of maturity of the related liabilities.

#### (iii) Defined Contribution Superannuation Fund

Obligations for contributions to the defined contribution superannuation fund are recognised as an expense in the income statement as incurred.

#### (iv) Share-based payment transactions

Employees have been offered the right to take up shares in the Company under two plans. The Employee Share Plan No.1 provides \$1,000 of shares per annum and is subject to qualification by length of service. The Executive Long Term Share Plan ("ELTSP") is subject to qualification by length of service and achievement of corporate performance targets related to returns to shareholders. The fair value of shares granted to employees is recognised as an employee benefit expense with a corresponding increase in equity. The fair value of the shares granted under the Employee Share Plan No.1 is based on the market price of the shares on the date of issue.

The fair value of the ELTSP is measured at grant date taking into account market performance conditions only, and spread over the vesting period during which the employees become unconditionally entitled to the performancebased shares. The fair value of the shares granted is measured using a Monte-Carlo simulation model. The amount recognised as an expense is adjusted to reflect the actual number of shares that vest except where forfeiture is only due to market conditions that are not met.

#### (j) Provisions - Warranties

A provision is recognised if, as a result of a past event, the Group has a present legal or constructive obligation that can be estimated reliably, and it is probable that an outflow of economic benefits will be required to settle the obligation. Provisions are determined by discounting the expected future cash flows at a pre-tax rate that reflects current market assessments of the time value of money and the risks specific to the liability.

Provision for warranty is recognised when the underlying products are sold. The provision is based on historical claim data.

#### (k) Revenue Recognition

Revenues are recognised at fair value of the consideration received net of the amount of goods and services tax (GST). Exchanges of goods or services of the same nature and value without any cash consideration are not recognised as revenues.

#### (i) Revenue from Rendering of Services

Revenue from services rendered is recognised in the income statement in proportion to the stage of completion of the transaction at the reporting date. The stage of completion is assessed by reference to the extent of work performed. No revenue is recognised if there are significant uncertainties regarding recovery of the consideration due, or the costs incurred or to be incurred cannot be measured reliably, or there is a risk of return of goods or there is continuing management involvement with the goods.

Revenue received in advance represents cash payments received from customers in accordance with contractual commitments prior to the performance of the service.

#### (ii) Licence and royalties

Revenue earned under various licence, royalty and other agreements is recognised on an accrual basis upon the satisfactory completion of contracted technical specifications. Additional revenue may be earned after a fixed time interval or after delivery of a prototype engine and/or hardware meeting specified performance targets, provided the licence agreements are not terminated. Under the terms of the licence agreements, licensees are not specifically obliged to commence production and sale of engines using OCP Technology and may terminate the agreements upon notice to Orbital. If a licensee were to terminate its licence agreement with Orbital, the licensee would forfeit the licence and any technical disclosure fees paid through to the date of termination. Revenue under royalty agreements is recognised when such amounts become due and payable.

#### (iii) Interest Revenue

Revenue is recognised as interest accrues using the effective interest method.

#### (iv) Dividends

Revenue is recognised when the Group's right to receive the payment is established.

#### (I) Leases

#### (i) Operating lease payments

Payments made under operating leases are recognised in the income statement on a straight-line basis over the term of the lease.

#### (m) Finance expense

Financing costs include interest payable on borrowings calculated using the effective interest method, and gains and losses on hedging instruments that are recognised in the income statement. Borrowing costs are expensed as incurred and included in net financing costs.

#### (n) Income Tax

#### (i) Current income tax expense and liability

Income tax on the profit or loss for the year presented comprises current and deferred tax. Income tax is recognised in the income statement except to the extent that it relates to items recognised directly in equity, in which case it is recognised in equity.

Current tax is the expected tax payable on the taxable income for the year, using tax rates enacted or substantially enacted at the balance sheet date, and any adjustment to tax payable in respect of previous years.

#### (ii) Deferred income tax expense and liability

Deferred tax is provided using the balance sheet liability method, providing for temporary differences between the carrying amounts of assets and liabilities for financial reporting purposes and the amounts used for taxation purposes. The amount of deferred tax provided is based on the expected manner of realisation or settlement of the carrying amount of assets and liabilities, using tax rates enacted or substantively enacted at the balance sheet date.

A deferred tax asset is recognised only to the extent that it is probable that future taxable profits will be available against which the asset can be utilised. Deferred tax assets are reduced to the extent that it is no longer probable that the related tax benefit will be realised.

#### (iii) Tax Consolidation

The Company and its wholly-owned Australian resident entities have formed a tax-consolidated group with effect from 1 July 2002 and are therefore taxed as a single entity from that date. The head entity within the tax-consolidated group is Orbital Corporation Limited.

The head entity and the controlled entities in the tax consolidated group continue to account for their own current and deferred tax amounts. The Group has applied the group allocation approach in determining the appropriate amount of current taxes and deferred taxes to allocate to members of the tax consolidated group.

Any current tax liabilities (or assets) and deferred tax assets arising from unused tax losses of the subsidiaries is assumed by the head entity in the tax-consolidated group and are recognised as amounts payable (receivable) to (from) other entities in the tax-consolidated group in conjunction with any tax funding arrangement amounts. Any difference between these amounts is recognised by the Company as an equity contribution or distribution.

The Company recognises deferred tax assets arising from unused tax losses of the tax-consolidated group to the extent that it is probable that future taxable profits of the tax-consolidated group will be available against which the asset can be utilised.

Any subsequent period adjustments to deferred tax assets arising from unused tax losses as a result of revised assessments of the probability of recoverability is recognised by the head entity only.

#### (o) Segment Reporting

A segment is a distinguishable component of the Group that is engaged either in providing products or services (business segment), or in providing products or services within a particular economic environment (geographical segment), which is subject to risks and rewards that are different from those of other segments. The Group's primary format for segment reporting is based on business segments.

#### (p) Goods and services tax

Revenue, expenses and assets are recognised net of the amount of goods and services tax (GST), except where the amount of GST incurred is not recoverable from the taxation authority. In these circumstances, the GST is recognised as part of the cost of acquisition of the asset or as part of the expense.

Receivables and payables are stated with the amounts of GST included. The net amount of GST recoverable from, or payable to, the ATO is included as a current asset or liability in the balance sheet

Cash flows are included in the statement of cash flows on a gross basis. The GST components of cash flows arising from investing and financing activities which are recoverable from, or payable to, the ATO are classified as operating cash flows.

#### (q) Earnings per share

The Group presents basic and diluted earnings per share (EPS) data for its ordinary shares. Basic EPS is calculated by dividing the profit or loss attributable to ordinary shareholders of the Company by the weighted average number of ordinary shares outstanding during the period.

Diluted EPS is determined by adjusting the profit or loss attributable to ordinary shareholders and the weighted average number of ordinary shares outstanding for the effects of all dilutive potential ordinary shares.

#### (r) Government grants

Government grants are recognised when the grant is received.

When the grant relates to an asset (investment grants relating to the construction of a heavy duty engine test facility), the fair value is credited to deferred income and is released to the income statement over the expected useful life of the relevant asset by equal annual instalments.

#### (s) Accounting estimates and judgements

Management discussed with the Audit Committee the development, selection and disclosure of the Group's critical accounting policies and estimates and the application of these policies and estimates. The estimates and judgements that have a significant risk of causing a material adjustment to the carrying amounts of assets and liabilities within the next financial year are discussed in note 5.

#### (t) New standards and interpretations not yet adopted

The following standards, amendments to standards and interpretations have been identified as those which may impact the entity in the period of initial application. They are available for early adoption at 30 June 2008, but have not been applied in preparing this financial report:

Reference	Title	Summary	Application date of standard*	Impact on Group financial report	Application date for Group*
AASB 8 and AASB 2007-3)	Operating Segments and consequential amendments to other Australian Accounting Standards	New standard replacing AASB 114 Segment Reporting, which adopts a management reporting approach to segment reporting.	1 Jan 2009	AASB 8 is a disclosure standard so will have no direct impact on the amounts included in the Group's financial statements, although it may indirectly impact the level at which goodwill is tested for impairment. In addition, the amendments may have an impact on the Group's segment disclosures.	2009
AASB 123 (Revised) and AASB 2007-6	Borrowing Costs and consequential amendments to other Australian Accounting Standards	The amendments to AASB 123 require that all borrowing costs associated with a qualifying asset be capitalised.	1 Jan 2009	These amendments to AASB 123 require that all borrowing costs associated with a qualifying asset be capitalised. The Group has no borrowing costs associated with qualifying assets and as such the amendments are not expected to have any impact on the Group's financial report.	1 Jul 2009
AASB 101 (Revised) and AASB 2007-8	Presentation of Financial Statements and consequential amendments to other Australian Accounting Standards	Introduces a statement of comprehensive income.  Other revisions include impacts on the presentation of items in the statement of changes in equity, new presentation requirements for restatements or reclassifications of items in the financial statements, changes in the presentation requirements for dividends and changes to the titles of the financial statements.	1 Jan 2009	These amendments are only expected to affect the presentation of the Group's financial report and will not have a direct impact on the measurement and recognition of amounts disclosed in the financial report. The Group has not determined at this stage whether to present a single statement of comprehensive income or two separate statements.	1 Jul 2009
AASB 2008-1	Amendments to Australian Accounting Standard Share- based Payments: Vesting Conditions and Cancellations	The amendments clarify the definition of 'vesting conditions', introducing the term 'non-vesting conditions' for conditions other than vesting conditions as specifically defined and prescribe the accounting treatment of an award that is effectively cancelled because a non-vesting condition is not satisfied.	1 Jan 2009	The Group has share-based payment arrangements that may be affected by these amendments. However, the Group has not yet determined the extent of the impact, if any.	1 Jul 2009

#### (t) New standards and interpretations not yet adopted (continued)

Reference	Title	Summary	Application date of standard*	Impact on Group financial report	Application date for Group*
AASB 3 (Revised)	Business Combinations	The revised standard introduces a number of changes to the accounting for business combinations, the most significant of which allows entities a choice for each business combination entered into to measure a non-controlling interest (formerly a minority interest) in the acquiree either at its fair value or at its proportionate interest in the acquiree's net assets. This choice will effectively result in recognising goodwill relating to 100% of the business (applying the fair value option) or recognising goodwill relating to the percentage interest acquired. The changes apply prospectively.	1 Jul 2009	The Group may enter into some business combinations during the next financial year and may therefore consider early adopting the revised standard. The Group has not yet assessed the impact of early adoption, including which accounting policy to adopt.	1 Jul 2009
AASB 127 (Revised)	Consolidated and Separate Financial Statements	Under the revised standard, a change in the ownership interest of a subsidiary (that does not result in loss of control) will be accounted for as an equity transaction.	1 Jul 2009	If the Group changes its ownership interest in existing subsidiaries in the future, the change will be accounted for as an equity transaction. This will have no impact on goodwill, nor will it give rise to a gain or a loss in the Group's income statement.	1 Jul 2009
AASB 2008-3	Amendments to Australian Accounting Standards arising from AASB 3 and AASB 127	Amending standard issued as a consequence of revisions to AASB 3 and AASB 127.	1 Jul 2009	Refer to AASB 3 (Revised) and AASB 127 (Revised) above.	1 Jul 2009
Amendments to International Financial Reporting Standards	Cost of an Investment in a Subsidiary, Jointly Controlled Entity or Associate	The main amendments of relevance to Australian entities are those made to IAS 27 deleting the 'cost method' and requiring all dividends from a subsidiary, jointly controlled entity or associate to be recognised in profit or loss in an entity's separate financial statements (i.e., parent company accounts). The distinction between pre- and post-acquisition profits is no longer required. However, the payment of such dividends requires the entity to consider whether there is an indicator of impairment.  AASB 127 has also been amended to effectively allow the cost of an investment in a subsidiary, in limited reorganisations, to be based on the previous carrying amount of the subsidiary (that is, share of equity) rather than its fair value.		Recognising all dividends received from subsidiaries, jointly controlled entities and associates as income will likely give rise to greater income being recognised by the parent entity after adoption of these amendments.  In addition, if the Group enters into any group reorganisation establishing new parent entities, an assessment will need to be made to determine if the reorganisation meets the conditions imposed to be effectively accounted for on a 'carry-over basis' rather than at fair value.	1 Jul 2009
Amendments to International Financial Reporting Standards	Improvements to IFRSs	The improvements project is an annual project that provides a mechanism for making non-urgent, but necessary, amendments to IFRSs. The IASB has separated the amendments into two parts: Part 1 deals with changes the IASB identified resulting in accounting changes; Part II deals with either terminology or editorial amendments that the IASB believes will have minimal impact.	1 Jan 2009 except for amend- ments to IFRS 5, which are effective from 1 Jul 2009	,	1 Jul 2009

 $<sup>^{</sup>st}$  designates the beginning of the applicable annual reporting period unless otherwise stated.

#### 4. FINANCIAL RISK MANAGEMENTS OBJECTIVES AND POLICIES

The Group's principal financial instruments comprise cash and short-term deposits, receivables, payables, and non-interest bearing liabilities.

The Group manages its exposure to key financial risks, including interest rate and currency risk in accordance with the Group's financial risk management policy. The objective of the policy is to support the delivery of the Group's financial targets whilst protecting future financial security.

The Group from time-to-time enters into derivative transactions, principally forward currency contracts. The purpose is to manage the currency risks arising from the Group's operations and its sources of revenue. The main risks arising from the Group's financial instruments are interest rate risk, foreign currency risk, credit risk and liquidity risk. The Group uses different methods to measure and manage different types of risks to which it is exposed. These include monitoring levels of exposure to interest rate and foreign exchange risk and assessments of market forecasts for interest and foreign exchange rates. Ageing analyses and monitoring of specific credit allowances are undertaken to manage credit risk, liquidity risk is monitored through the development of future rolling cash flow forecasts.

The Board reviews and agrees policies for managing each of these risks as summarised below.

Primary responsibility for identification and control of financial risks rests with the Audit Committee under the authority of the Board. The Board reviews and agrees policies for managing each of the risks identified below, including the setting of limits for hedging cover of foreign currency and interest rate risk, credit allowances, and future cash flow forecast projections.

#### Risk Exposures and Responses

Interest rate risk

The Group's exposure to market interest rates relates primarily to the Group's cash and cash equivalents on deposit with Australian banks.

The primary goal of the Group is to maximize returns on surplus cash, using deposits with maturities of less than 90 days. Management continually monitors the returns on funds invested.

At balance date, the Group had the following mix of financial assets exposed to Australian variable interest rate risk that are not designated in cash flow hedges:

	CONS	SOLIDATED	THE COMPANY		
	2008 2007		2008	2007	
	\$'000	\$'000	\$'000	\$'000	
Financial assets					
Cash and cash equivalents	8,804	11,287	3,020	8,858	
	8,804	11,287	3,020	8,858	

The following sensitivity analysis is based on the interest rate risk exposures in existence at the balance sheet date:

At 30 June 2008, if interest rates had moved, as illustrated in the table below, with all other variables held constant, post tax profit and equity would have been affected as follows:

		Tax Profit er/(Lower)	Other Equity Higher/(Lower)		
	2008 \$'000	2007 \$'000	2008 \$'000	2007 \$'000	
Consolidated					
+1% (100 basis points) 5% (50 basis points)	88 (44)	113 (56)	-	-	
Parent					
+1% (100 basis points) 5% (50 basis points)	30 (15)	89 (44)	-	-	

The movements in profit are due to higher/lower interest revenue from variable rate cash balances. The sensitivity is the same in 2008 as in 2007 because the only balances affected by interest rates are cash balances.

Foreign currency risk

As a result of investment in the equity accounted jointly controlled entity, Synerject LLC, the Group's balance sheet can be affected significantly by movements in the US\$/A\$ exchange rates. The present value of the additional investment in Synerject LLC is recognized in its functional currency and is not exposed to any foreign currency risk.

The Group also has transactional currency exposures. Such exposure arises from sales or purchases by an operating entity in currencies other than the functional currency.

Approximately 43% of the Group's sales are denominated in currencies other than the functional currency of the operating entity making the sale, whilst almost 99% of costs are denominated in the unit's functional currency.

#### 4. FINANCIAL RISK MANAGEMENTS OBJECTIVES AND POLICIES (continued)

With respect to assets and liabilities denominated in foreign currencies, the Group ensures that its net exposure is kept to an acceptable level by buying or selling foreign currencies at spot rates when necessary. The Group does not hold foreign currency positions for trading purposes.

At 30 June 2008, the Group had the following exposure to US\$ foreign currency that is not designated in cash flow hedges:

	CONS	SOLIDATED	THE COMPANY		
	2008 \$'000	2007 \$'000	2008 \$'000	2007 \$'000	
			, , , , ,		
Financial assets					
Cash and cash equivalents	172	317	-	-	
Trade and other receivables	952	1,076	-	-	
	1,124	1,393	-	-	
Financial liabilities					
Trade and other payables	-	-	-	-	
Loans and advances from controlled entities	-	<u> </u>	1,955	4,107	
			1,955	4,107	

The following sensitivity is based on the foreign currency risk exposures in existence at the balance sheet date:

At 30 June 2008, had the Australian Dollar moved, as illustrated in the table below, with all other variables held constant, post tax profit and equity would have been affected as follows:

		t Tax Profit ner/(Lower)	Other Equity Higher/(Lower)		
	2008 \$'000	2007 \$'000	2008 \$'000	2007 \$'000	
Consolidated					
AUD/USD +10% AUD/USD -5%	(102) 96	(127) 240	178 (167)	373 (707)	
Parent					
AUD/USD +10% AUD/USD -5%	178 (167)	373 (707)	-	-	

The movements in profit in 2008 are more sensitive than in 2007 due to the higher level of US Dollar cash and cash equivalents at balance date. Equity is more sensitive in 2007 because of the use of hedges of foreign currency revenue.

#### Credit risk

Credit risk arises from the financial assets of the Group, which comprise cash and cash equivalents and trade and other receivables. The Group's exposure to credit risk arises from potential default of the counter party, with a maximum exposure equal to the carrying amount of these instruments.

The Group does not hold any credit derivatives to offset its credit exposure, however the Group does hold receivable insurance where appropriate.

It is the Group's policy that all customers who wish to trade on credit terms are subject to credit verification procedures including an assessment of their independent credit rating, financial position, past experience and industry reputation. Risk limits are set for each individual customer in accordance with parameters set by management. These risk limits are regularly monitored.

In addition, receivable balances are monitored on an ongoing basis.

There are no significant concentrations of credit risk within the Group and financial instruments are only invested with a major financial institution to minimise the risk of default of counterparties.

#### Liquidity risk

The Group's does not have any bank overdrafts, bank loans, preference shares, finance leases or committed available credit lines as at 30 June 2008.

The only external borrowing of the Group is the interest free Western Australian Government loan of \$19 million repayable in May 2014.

#### 4. FINANCIAL RISK MANAGEMENTS OBJECTIVES AND POLICIES (continued)

The table below reflects all contractually fixed pay-offs, repayments and interest resulting from recognised financial liabilities as of 30 June 2008. For all obligations the respective undiscounted cash flows for the respective upcoming fiscal years are presented. Cash flows for financial liabilities without fixed amount or timing are based on the conditions existing at 30 June 2008. The Group's approach to managing liquidity is to ensure, as far as is possible, that it will always have sufficient liquidity to meet its liabilities when due and payable without incurring unacceptable losses or risks.

The remaining contractual maturities of the Group's and parent entity's financial liabilities are:

	CONS	OLIDATED	THE COMPANY		
	2008 \$'000	2007 \$'000	2008 \$'000	2007 \$'000	
6 months or less 6-12 months 1-5 years	7,322 -	4,214 - 4,543	6,431	8,582 -	
Over 5 years	19,000	19,000	19,000	19,000	
	26,322	27,757	25,431	27,582	

Maturity analysis of financial assets and liability based on management's expectation.

The risk implied from the values shown in the table below, reflects a balanced view of cash inflows and outflows. Trade payables and other financial liabilities mainly originate from the financing of assets used in our ongoing operations such as property, plant, equipment and investments in working capital eg inventories and trade receivables. These assets are considered in the Group's overall liquidity risk.

	<6	6-12	1-5	>5	
	months	months	years	years	Total
	\$'000	\$'000	\$'000	\$'000	\$'000
Consolidated					
Financial assets					
Cash and cash equivalents	8,804	-	-	-	8,804
Trade and other receivables	7,198	-	-	-	7,198
	16,002		_	_	16,002
Consolidated					
Financial liabilities					
Trade and other payables	7,322	-	-	-	7,322
Non-interest-bearing liabilities	-	-	-	14,151	14,151
	7,322	-	-	14,151	21,473
Net maturity	8,680			(14,151)	(5,471)
	<6	6-12	1-5	>5	
	months	months	years	years	Total
	\$'000	\$'000	\$'000	\$'000	\$'000
Parent					
Financial assets					
Cash and cash equivalents	3,020	-	-	-	3,020
Trade and other receivables	30	-	-	-	30
	3,050		_	_	3,050
Parent					
Financial liabilities					
Trade and other payables	-	-	-	6,431	6,431
Non-interest-bearing liabilities	-	-	-	14,151	14,151
				20,582	20 502
				20,362	20,582

Fair value

The methods for estimating fair value are outlined in the relevant notes to the financial statements.

#### 5. SIGNIFICANT ACCOUNTING JUDGEMENTS, ESTIMATES AND ASSUMPTIONS

The preparation of the financial statements requires management to make judgements, estimates and assumptions that affect the reported amounts in the financial statements. Management continually evaluates its judgements and estimates in relation to assets, liabilities, contingent liabilities, revenue and expenses. Management bases its judgements and estimates on historical experience and on other various factors it believes to be reasonable under the circumstances, the result of which form the basis of the carrying values of the assets and liabilities that are not readily apparent from other sources. Actual results may differ from these estimates under different assumptions and conditions.

Management has identified the following critical accounting policies for which significant judgements, estimates and assumptions are made. Actual results may differ from these estimates under different assumptions and conditions and may materially affect financial results or the financial position reported in future periods.

Further details of the nature of these assumptions and conditions may be found in the relevant notes to the financial statements.

#### (a) Significant accounting judgements

Impairment of non-financial assets other than goodwill

The Group assesses impairment of all assets at each reporting date by evaluating conditions specific to the Group and to the particular asset that may lead to impairment. These include product and manufacturing performance, technology, economic and political environments and future product expectations. If an impairment trigger exists the recoverable amount of the asset is determined. Management do not consider that triggers for impairment testing exist at balance date and as such these assets have not been tested for impairment in this financial period.

Capitalised development costs

Development costs are only capitalised when it can be demonstrated that the technical feasibility of completing the intangible asset is valid so that the asset will be available for use or sale.

Taxation

The Group's accounting policy for taxation requires management's judgement as to the types of arrangements considered to be a tax on income in contrast to an operating cost. Judgement is also required in assessing whether deferred tax assets and certain deferred tax liabilities are recognised on the balance sheet. Deferred tax assets, including those arising from unrecouped tax losses, capital losses and temporary differences, are recognised only where it is considered more likely than not that they will be recovered, which is dependent on the generation of sufficient future taxable profits. Assumptions about the generation of future taxable profits and repatriation of retained earnings depend on management's estimates of future cash flows. These depend on estimates of future production and sales volumes, operating costs, capital expenditure, dividends and other capital management transactions. Judgements are also required about the application of income tax legislation. These judgements and assumptions are subject to risk and uncertainty, hence there is a possibility that changes in circumstances will alter expectations, which may impact the amount of deferred tax assets and deferred tax liabilities recognised on the balance sheet and the amount of other tax losses and temporary differences not yet recognised. In such circumstances, some or all of the carrying amounts of recognised deferred tax assets and liabilities may require adjustment, resulting in a corresponding credit or charge to the income statement.

#### (b) Significant accounting estimates and assumptions

Share-based payment transactions

The Group measures the cost of equity-settled transactions with employees by reference to the fair value of the equity instruments at the date at which they are granted. The fair value of shares granted under the Employee Share Plan No. 1 is the market value on the date of issue. The fair value of the Executive Long Term Share Plan shares is determined by an external valuer using a monte-carlo simulation model, with the assumptions detailed in note 32. The accounting estimates and assumptions relating to equity-settled share-based payments would have no impact on the carrying amounts of assets and liabilities within the next annual reporting period but may impact expenses and equity.

Product warranty

In determining the level of provision required for product warranties the Group has made judgements in respect of the expected performance of the product, number of customers who will actually use the product warranty and how often, and the costs of fulfilling the performance of the product warranty. Historical experience and current knowledge of the performance of products has been used in determining this provision. The related carrying amounts are disclosed in note 24.

Estimation of useful lives of assets

The estimation of the useful lives of assets has been based on historical experience as well as manufacturers' warranties (for plant and equipment). In addition, the condition of the assets is assessed at least once per year and considered against the remaining useful life. Adjustments to useful lives are made when considered necessary.

#### 6. SEGMENT REPORTING

Segment information is presented in respect of the Group's business and geographical segments. The primary format, business segment, is based on the Group's management and internal reporting structure.

Inter-segment pricing is determined on an arm's length basis.

Segment results, assets and liabilities include items directly attributable to a segment as well as those that can be allocated on a reasonable basis. Unallocated items comprise mainly interest-earning assets and revenue, interest-bearing loans, borrowings and expenses, and corporate assets, income and expenses.

#### 6. SEGMENT REPORTING (continued)

Segment capital expenditure is the total cost incurred during the period to acquire segment assets that are expected to be used for more than one period.

#### **Business segments**

The Group comprises the following main business segments:

- Engineering services; and
- Royalties and licences.

#### Geographical segments

The engineering services and royalties and licences segments are managed on a worldwide basis.

In presenting information on the basis of geographical segments, segment revenue is based on the geographical location of customers. Segment assets are based on the geographical location of the assets.

Revenue is derived predominantly from the provision of engineering services and the sale of intellectual property rights to Orbital's OCP technology. The consolidated entity operates predominantly in the automotive, marine and motorcycle engine markets.

#### a) Business Segments (primary reporting)

	U	neering vices	,	Royalties and Licences (i)		olidated
	2008 \$'000	2007 \$'000	2008 \$'000	2007 \$'000	2008 \$'000	2007 \$'000
Segment Revenue	11,681	12,514	2,684	2,294	14,365	14,808
Unallocated other income					574	448
Total Revenue					14,939	15,256
Segment Result	2,406	3,241	771	763	3,177	4,004
Unallocated expenses - net (ii)					(4,624)	(5,110)
Finance costs  Share of net profit of jointly controlled entity					(886) 2,357	(816) 3,157
Net Profit before related income tax					24	1,235
Income tax benefit					445	98
Profit after tax attributable to members					469	1,333
Non-cash (revenue) and expenses						
Depreciation and amortisation	1,097	1,001	-	-	1,097	1,001
Equity settled employee compensation Other non-cash expenses	117 17	102	354	-	117 371	102 (1)
Segment non-cash expenses	1,231	1,102	354		1,585	1,102
Systems warranty credits	1,231	1,102	334		1,303	(101)
Equity settled employee compensation					164	161
Amortisation of non-interest bearing loans					886	816
Amounts set aside to warranty and other provisions					(0.057)	(52)
Share of net profit of jointly controlled entity  Foreign exchange translation loss					(2,357) 175	(3,157) 69
Total non-cash (revenue) and expenses					453	(1,162)

- (i) Royalty and licence costs include direct patent costs and research and development.
- (ii) Unallocated expenses (net) include sales and marketing, corporate management and finance and administration overhead expenses net of unallocated other income.

#### 6. SEGMENT REPORTING (continued)

#### (a) Business Segments (primary reporting) (continued)

					2008 \$'000	2007 \$'000	2008 \$'000	2007 \$'000	2008 \$'000	2007 \$'000
Segment Assets					11,971	10,140	813	517	12,784	10,657
Unallocated assets Cash Interest in jointly controlled entity Assets relating to non-reportable segment Deferred tax asset									8,804 13,109 2,048 5,494	11,287 12,974 - 6,082
Consolidated Total Asso	ets								42,239	41,000
Segment Liabilities					8,217	6,640	-		8,217	6,640
Unallocated liabilities Income tax liabilities Trade and other payables Borrowings Systems warranty provision Consolidated Total Liabilities Consolidated Net Assets								156 4,135 14,151 90 26,749 15,490	17,958 - 24,598 16,402	
					707	, , , ,			707	
Segment Acquisitions of	Non-curre	ent assets			727	677	-	-	<u>727</u>	<u>677</u>
(b) Geographic Seg		econdary America	_		٨	sia	۸	tralia	Canaa	olidated
	2008	2007 \$'000	2008 \$'000	2007 \$'000	2008 \$'000	2007 \$'000	2008 \$'000	2007 \$'000	2008	2007 \$'000
Segment revenue	2,982	5,400	909	585	5,740	5,221	4,734	3,602	14,365	14,808
Segment assets	1,043	1,157	544	234	1,761	1,711	9,400	7,555	12,748	10,657
Acquisitions of non-current assets	-	-		-	-	-	727	677	727	677
						ONSOLIDA 3 0	ATED 2007 \$'000	20	THE CON 008 000	1PANY 2007 \$'000
7. OTHER REVENU	JE				,		,			, , , ,
Interest income					574	<u>4</u>	448		438	319
8. OTHER INCOM		nt and eau	ipment		(3	3)	32		_	_
Automotive Competitiven Net foreign exchange gai System warranty credit Insurance claim	ess and In			edits (a)	20	] - -	204	3	- 371 -	- 600 - -
Other					372		53 390	3	371	600

Engineering

Services

Royalties and

Licences

Consolidated

<sup>(</sup>a) The Group receives Automotive Competitiveness and Investment Scheme credits from the Federal Government for qualifying research and development activities. The Group sells these credits through a tender process and recognises income from the sale when title to the credits passes to the purchaser.

		CONSOLIDATED		THE COMPANY		
		2008 \$'000	2007 \$'000	2008 \$'000	2007 \$'000	
9.	EXPENSES					
(a)	Employee benefits expense					
	es and wages	7,994	7,844	-	-	
	butions to defined contributions superannuation funds settled transactions	800 281	780 263	-	-	
	se in liability for annual leave	40	41	-	-	
	se in liability for long service leave	100	36	-	-	
Other	associated personnel expenses	597	464			
		9,812	9,428	-		
(b)	Finance costs					
Non-c	ash interest expense WA Government Loan	687	654	687	654	
	ash interest expense on deferred settlement pertaining to					
investr	nent in Synerject LLC	199	162			
		886	816	687	654	
(c)	Other expenses					
Occup	pancy	474	477	-	-	
	istration	244	193	-	-	
Marke		46	29	-	-	
	or relations ance for impairment of receivables	44 379	61 (4)	-	-	
	reign exchange losses	175	69	-	-	
Other		117	15	-		
		1,479	840		-	
(d)	Lease payments included in income statement					
	um lease payments - operating lease	93	64		_	
741111111	om lease payments - operating lease					
(e)	Research and development costs					
	ch and development costs charged directly to the	1 1 4 7	1 000			
incom	e statement	1,147	1,022			
(f)	Write off of assets due to water damage					
Plant o	and equipment	7	<u> </u>			

A burst water filter cartridge in the administration area damaged carpets and furniture. An insurance recovery relating to the water damage of \$144,000 has been recognised in other income (see note 8)

	CONSOLIDATED		THE C	OMPANY
	2008 \$'000	2007 \$'000	2008 \$'000	2007 \$'000
10. TAXATION				
(a) Recognised in the income statement				
Current tax expense				
Current year	295	(358)		
	295	(358)		
Deferred tax expense				
Benefit from previously unrecognised tax losses	150	456		
	150	456		
Total income tax benefit in income statement	445	98		
(b) Numerical reconciliation between tax expense and pre-tax net profit				
Profit/(loss) before tax	24	1,235	(1,852)	263
Income tax using the statutory tax rates	(7)	(371)	(87)	(79)
- Non deductible expenditure	(236)	(350)	(206)	(196)
- Effect of tax losses utilised	243	721	293	275
Net withholding tax recouped/(paid)     United States of America Federal and State taxes	456 (161)	(298) (40)	-	-
- Under provided for in prior periods	(101)	(20)	_	-
- Deferred tax asset recognised	150	456	-	-
Income tax benefit on pre-tax net profit	445	98		-

## (c) Tax consolidation

(i) Members of the tax consolidated group and the tax sharing arrangement

Orbital Corporation Limited and its 100% owned Australian resident subsidiaries formed a tax consolidated group with effect from 1 July 2002. Orbital Corporation Limited is the head entity of the tax consolidated group. Members of the group have entered into a tax sharing agreement that provides for the allocation of income tax liabilities between the entities should the head entity default on its tax payment obligations. No amounts have been recognised in the financial statements in respect of this agreement on the basis that the possibility of default is remote.

(ii) Tax effect accounting by members of the tax consolidated group

## Measurement method adopted under UIG 1052 Tax Consolidation Accounting

The head entity and the controlled entities in the tax consolidated group continue to account for their own current and deferred tax amounts. The Group has applied the group allocation approach in determining the appropriate amount of current taxes and deferred taxes to allocate to members of the tax consolidated group. The current and deferred tax amounts are measured in a systematic manner that is consistent with the broad principles in AASB 112 Income Taxes. The nature of the tax funding agreement is discussed further below.

In addition to its own current and deferred tax amounts, the head entity also recognises current tax liabilities (or assets) and the deferred tax assets arising from unused tax losses and unused tax credits assumed from controlled entities in the tax consolidated group.

## Nature of the tax funding agreement

Members of the tax consolidated group have entered into a tax funding agreement. Under the funding agreement the funding of tax within the group is based on current and deferred tax amounts of the head entity and subsidiary members of the tax consolidation group. The tax funding agreement requires payments to/from the head entity to be recognised via an inter-entity receivable (payable) which is at call.

The amounts receivable or payable under the tax funding agreement are due upon receipt of the funding advice from the head entity, which is issued as soon as practicable after the end of each financial year. The head entity may also require payment of interim funding amounts to assist with its obligations to pay tax instalments.

## 11. EARNINGS PER SHARE

## Basic earnings per share

The calculation of basic earnings per share at 30 June 2008 was based on the profit attributable to ordinary shareholders of \$469,199 (2007: profit \$1,332,856) and a weighted average number of ordinary shares outstanding during the financial year ended 30 June 2008 of 474,182,565 (2007: 446,391,420), calculated as follows:

	CONSOLIDATED		
Profit attributable to ordinary shareholders	2008 \$	2007 \$	
Profit attributable to ordinary shareholders	469,199	1,332,856	
Wether to the state of a Proceedings	NI I	NI I	
Weighted average number of ordinary shares	Number	Number	
Issued ordinary shares at 1 July	473,126,818	411,292,088	
Effect of share placement	_	16,657,534	
Effect of shares issued for the ELTSP	910,685	-	
Effect of shares issued for the ESP No.1	145,062	285,709	
Effect of share purchase plan	0,002	18,156,089	
·			
Weighted average number of ordinary shares at 30 June	474,182,565	446,391,420	
Effect of potential dilutive ordinary shares	7,325,000	7,065,000	
Weighted average number of potential ordinary shares at 30 June	481,507,565	453,456,420	
Earnings per share	cents	cents	
Basic earnings per share	0.099	0.299	
Diluted earnings per share	0.097	0.294	

Shares granted to employees (including Key Management Personnel) as described in note 32 are considered to be potential ordinary shares and have been included in the determination of the diluted earnings per share to the extent they are dilutive. These ordinary shares have not been included in the determination of basic earnings per share.

	CONSOLIDATED		THE COMPANY	
	2008 \$'000	2007 \$'000	2008 \$'000	2007 \$'000
12. CASH AND CASH EQUIVALENTS				
Cash at bank	1,174	290	76	39
Cash at bank - US dollars	4,022	268	-	-
Cash at bank - European currency units	62	49	-	-
At call deposits - financial institutions	602	877	-	-
Bank bills	2,944	9,803	2,944	8,819
	8,804	11,287	3,020	8,858

All bank bills are endorsed by the Group's banker and are for terms of no more than 90 days.

## 13. TRADE AND OTHER RECEIVABLES

Current				
Trade receivables	6,524	3,900	-	-
Allowance for impairment loss (a)	(428)	(49)	-	-
	6,096	3,851	-	-
Accrued royalties	813	517	30	81
Accrued interest	30	95	-	-
Insurance claim receivable	162	-	-	-
Taxation instalments	48	-	-	-
Other receivables	10	22	-	-
Prepayments	39	59		
	7,198	4,544	30	81
Non-current				
Loans to controlled entities	-	-	18,167	13,618
Impairment losses on loans to controlled entities	-	-	(792)	(792)
	_	-	17,375	12,826

## 13. TRADE AND OTHER RECEIVABLES (continued)

## (a) Allowance for impairment loss

Trade receivables are non-interest bearing and are generally on 30-60 day terms. An allowance for impairment loss is recognised when there is objective evidence that an individual trade receivable is impaired. An impairment loss of \$428,000 (2007: \$49,000) has been recognised by the Group in the current year. These amounts have been included in the other expenses item.

Movements in the allowance for impairment loss were as follows:

	CON	SOLIDATED
	2008 \$'000	2007 \$'000
At 1 July Charge for the year Amounts written off	(49) (379)	(50) 1
At 30 June	(428)	(49)

At 30 June, the ageing analysis of trade receivables is as follows:

	Total	0-30 days	31-60 days	61-90 days PDNI*	+91 days PDNI*	+91 days CI**
2008 Consolidated	6,524	5,171	425	11	360	557
2007 Consolidated	3,900	3,081	112	177	198	332

<sup>\*</sup> past due not impaired ("PDNI") \*\* Considered imparied ("CI")

Receivables past due but not considered impaired are \$371,000 (2007:\$375,000). Payment terms on these amounts have not been re-negotiated. Management has been in contact with each relevant debtor and is satisfied that payment will be received in full.

Other balances within trade and other receivables do not contain impaired assets and are not past due. It is expected that these other balances will be received when due.

## (b) Related party receivables

For terms and conditions of related party receivables refer to note 29.

## (c) Fair value and credit risk

Due to the short term nature of these receivables, their carrying value is assumed to approximate fair value.

The maximum exposure to credit risk is the fair value of receivables. Collateral is not held as security.

## (d) Foreign exchange and interest rate risk

Detail regarding foreign exchange and interest rate risk exposure is disclosed in note 4.

	CONSOLIDATED		THE COMPANY	
	2008 \$'000	2007 \$'000	2008 \$'000	2007 \$'000
14. INVENTORIES				
Raw materials and stores - at cost	1,697	6		

The Group acquired inventories of LPG fuel systems in the business combination (see note 33).

15. INVESTMENTS					
Investment in PT Texmaco Perkasa Engineering Tbk					
- at cost		-	6,446	-	-
Investments in controlled entities - at cost 28	8	-	-	111,885	111,605
Less: impairment losses in the carrying value					
of investments		-	(6,446)	(96,238)	(94,264)
			-	15,647	17,341

## 16. INTEREST IN JOINTLY CONTROLLED ENTITY

## (a) Interest in Synerject LLC

As at 30 June 2008, the Group holds a 50% interest in Synerject LLC, a joint venture entity with Continental Corporation (30 June 2007: 50%). The principal activities of Synerject LLC are the marketing, sale and manufacture, including research and development in the area of engine management of non-automotive systems and components and automotive components related to the Orbital combustion process.

The Group accounts for interest in a jointly controlled entity using the equity method.

The Group has the following interest in a jointly controlled entity:

		Country of		Reporting	30 June Ownership	
Name		Principal activities	Incorporation	Date	2008	2007
Synerje	ct LLC	Manufacturer of engine management systems	USA	30/06/2008	50%	50%

	Revenues (100%) US\$'000	Profit (100%) US\$'000	Total Assets (100%) US\$'000	Total Liabilities (100%) US\$'000	Net Assets (100%) US\$'000
2008	81,020	2,400	37,841	20,895	16,946
2007	79,627	3,501	35,911	20,337	15,574

	Revenues (100%) A\$'000	Profit (100%) A\$'000	Share of jointly controlled entities' net profit recognised A\$'000	Total Assets (100%) A\$'000	Total Liabilities (100%) A\$'000	Net assets as reported by jointly controlled entities (100%) A\$'000	Share of jointly controlled entities' net assets equity accounted A\$'000
2008	89,872	2,662	2,357	39,116	21,599	17,517	13,109
2007	100,391	4,386	3,157	42,243	23,848	18,395	12,974

		CONS	OLII	DATED
		2008 \$'000		2007 \$'000
(b)	Movements in the carrying amount of the Group's interest in jointly controlled entity			
At 1 Jul	у	12,974		6,321
Capital	injection	-		4,656
Share c	of profits after tax	2,357		3,157
	f reserves	308		151
	ds received	(958)		-
Unreali	sed foreign exchange movements	(1,572)		(1,311)
At 30 J	une	13,109		12,974
(c)	Results of jointly controlled entity			
Share c	of jointly controlled entity's profit before income tax after recommencement			
of equit	y accounting	1,353		2,314
Share c	f income tax expense	(65)		(121)
Share c	of jointly controlled entity's net profit - as disclosed by jointly controlled entity	1,288		2,193
Adjustn	nents:			
- dissim	ilar accounting treatment with respect to development expenditure	810		643
- dissim	ilar accounting treatment with respect to amortisation of intangibles	259		321
Share o	of jointly controlled entity's net profit accounted for using the equity method	2,357		3,157
(d)	Commitments			
Share c	of jointly controlled entity's capital commitments			
contrac	ted but not provided for or payable:			
Within	one year	341		515
One ye	ar or later and no later than five years	889		856
Later th	an five years	787		88
		2,017		1,459

## 16. INTEREST IN JOINTLY CONTROLLED ENTITY (continued)

### (e) Potential future changes to percentage shareholding in Synerject LLC

Synerject LLC was restructured and refinanced during fiscal year 2003. In January 2003, new financing arrangements were put in place for Synerject LLC until 30 September 2006. As part of the restructure, in April 2003, Synerject LLC acquired, by way of capital contributions from each joint venturer, the operations of Orbital's marine and recreation system sales business and Continental's non-automotive systems business. The actual performance of each of these contributed businesses in the 3 year period to 30 June 2006, compared to the planned performances, is being reviewed to determine the optional adjustment (if any) to the percentage shareholdings of Orbital and Continental in Synerject LLC ("the recalculation"). The review date was deferred until 30 June 2008, and is now under consideration by Orbital and Continental.

The maximum change in shareholdings as a result of the above recalculation is 10% i.e. ownership percentages of 40:60.

There is an option for the joint venturer who has the majority shareholding as determined by the recalculation above, to call from the other shareholder ("minority shareholder") the percentage of shares determined by the recalculation. The minority shareholder may dilute their shareholding or may choose to exercise an option to maintain the 50:50 ownership structure by either paying the other joint venturer US\$400,000 for each 1% interest of Synerject LLC or by injecting additional capital into Synerject LLC of US\$800,000 for each 1% interest in Synerject LLC. The exercise date of these options was originally 30 June 2006 but has been extended due to the change of the review date.

The assessment of the contributed business performance will not be tabled until after 30 June 2008 however the Directors anticipate that due to the stronger performance of the non-automotive systems business contributed by Continental, that Continental will become entitled to the full 10% under the recalculation provisions. To maintain Orbital's 50% interest in Synerject (being the Director's current intent), a liability representing the present value of US\$4 million has been recognised which will become payable between 30 June 2008 and 31 December 2008.

#### 17. DEFERRED TAX ASSETS AND LIABILITIES

#### Recognised deferred tax assets and liabilities

Deferred tax assets and liabilities are attributable to the following:

#### Consolidated

	Assets		Liabilities		N	let
	2008 \$'000	2007 \$'000	2008 \$'000	2007 \$'000	2008 \$'000	2007 \$'000
Tax value of loss carry-forwards recognised	5,494	6,082	-		5,494	6,082
Net tax assets	5,494	6,082	-		5,494	6,082

#### Unrecognised deferred tax assets

Deferred tax assets have not been recognised in respect of the following items:

	CONSOLIDATED		THE	JIVIFAINT	
	2008	2007	2008	2007	
	\$'000	\$'000	\$'000	\$'000	
Australia (net at 30%)					
Tax Losses	16,293	15,790	16,297	15,790	
Timing difference from provision for capital loss on investment	1,934	1,934	1,934	1,934	
Other net temporary differences	845	900	766	900	
	19,072	18,624	18,997	18,624	
United States of America (net at 34%)					
Tax Losses	11,649	14,236	-	-	
Other net temporary differences	6,079	6,079	-	-	
	17,728	20,315		-	

CONSOLIDATED

THE COMPANY

Under the tax laws of the United States, tax losses that cannot be fully utilised for tax purposes during the current year may be carried forward, subject to some statutory limitations, to reduce taxable income in future years. At 30 June 2008, the \$50.421 million of tax carry forward losses available expire between the years 2010 and 2024.

## 17. DEFERRED TAX ASSETS AND LIABILITIES (continued)

Movement in temporary differences during the year:

	CONSOLIDATED					
	Balance 01-Jul-06 \$'000	Recognised in income \$'000	Recognised in equity \$'000	Balance 30-Jun-07 \$'000		
Tax value of loss carry-forwards recognised	6,445	456	(819)	6,082		
Net tax assets	6,445	456	(819)	6,082		
		CONSC	DLIDATED			
	Balance 01-Jul-07 \$'000	Recognised in income \$'000	Recognised in equity \$'000	Balance 30-Jun-08 \$'000		
Tax value of loss carry-forwards recognised	6,082	150	(738)	5,494		
Net tax assets	6,082	150	(738)	5,494		
		THE CO	OMPANY			
	Balance 01-Jul-06 \$'000	Recognised in income \$'000	Recognised in equity \$'000	Balance 30-Jun-07 \$'000		
Tax value of loss carry-forwards recognised	-	-	φ 000 -	ψ 000 -		
Net tax assets	-	-	-	-		
	THE COMPANY					
	Balance 01-Jul-07 \$'000	Recognised in income \$'000	Recognised in equity \$'000	Balance 30-Jun-08 \$'000		
Tax value of loss carry-forwards recognised	-	-	-	-		
Net tax assets		-	-	-		

The amounts recognised through equity represent the foreign exchange differences arising on the translation of the foreign subsidy.

	CONSOLIDATED		THE COMPANY	
	2008 \$'000	2007 \$'000	2008 \$'000	2007 \$'000
18. PROPERTY, PLANT AND EQUIPMENT				
Freehold land				
At cost	1,091	1,091		
Buildings				
At cost	3,057	3,057	-	-
Less: accumulated depreciation	(974)	(893)		
	2,083	2,164		
Plant and equipment				
At cost	18,142	17,399	-	-
Less: accumulated depreciation	(15,730)	(14,547)		
	2,412	2,852		
Total property, plant and equipment - net book value	5,586	6,107		
Reconciliations				
Reconciliations of the carrying amounts for each class of property, plant and equipment are set out below:				
Freehold land				
Carrying amount at beginning of year	1,091	1,091	-	
Carrying amount at end of year	1,091	1,091	-	
Buildings				
Carrying amount at beginning of year	2,164	2,245	-	-
Depreciation	(81)	(81)		
Carrying amount at end of year	2,083	2,164		
Plant and equipment				
Carrying amount at beginning of year	2,852	3,096	-	-
Additions and transfers Disposals	762 (11)	677 (1)	-	-
Disposals  Depreciation	(1,191)	(920)	_	-
Carrying amount at end of year	2,412	2,852		
Total				
Carrying amount at beginning of year	6,107	6,432	_	_
Carrying amount at end of year	5,586	6,107		
Carrying amount at end of year				

All property, plant and equipment of the Group are subject to floating debentures from the Group's banker (see note 21) and from the Government of Western Australia (see note 22).

## 19. GOODWILL

Acquired in business combination (note 33)

351	-	-	-
351			-

The goodwill arose on the acquisition of Boral Alternative Fuel Systems on 26 June 2008. The initial accounting for the business combination has been based on provisional values. There were no indicators of impairment of this goodwill at balance date.

After initial recognition, goodwill acquired in a business combination is measured at cost less any accumulated impairment losses. Goodwill is not amortised but is subject to impairment testing on an annual basis or whenever there is an indication of impairment.

	CONSOLIDATED		THE C	OMPANY
	2008 \$'000	2007 \$'000	2008 \$'000	2007 \$'000
20. TRADE AND OTHER PAYABLES				
Current				
Trade creditors and accruals	2,394	2,483	-	-
Revenues received in advance	793	1,731	-	-
Loans and advances from controlled entities	-	-	6,431	8,582
Present value of additional investment in Synerject LLC (a)	4,135			
	7,322	4,214	6,431	8,582

#### (a) Present value of additional investment in Synerject LLC

In accordance with note 16, the additional consideration payable to Continental to maintain Orbital's 50% interest in Synerject LLC of US\$4 million, has been deferred from 28 September 2006 to 30 June 2008. The liability was initially recognised at its fair value (28 September 2006 US\$3.692 million) and subsequently stated at amortised cost (30 June 2008: US\$4.000 million) on an effective interest basis.

#### (b) Fair value

Due to the short term nature of these payables, their carrying value is assumed to approximate their fair value.

## (c) Related party payables

For terms and conditions relating to related party payables refer to note 29.

#### 21. FINANCING ARRANGEMENTS

The consolidated entity has standby arrangements with banks to provide support facilities:

Total facilities available				
Performance guarantee facility	8	8	-	-
Forward exchange contracts facility	3,500	3,500	-	-
Corporate credit card facility	65	50	-	-
Multi-option credit facility	750	750	250	250
	4,323	4,308	250	250
Facilities utilised at balance date				
Performance guarantee facility	8	8	-	-
Forward exchange contracts facility	-	611	-	-
Corporate credit card facility	65	38	-	-
Multi-option credit facility	-	-	-	-
	73	657		-
Facilities not utilised at balance date				
Performance guarantee facility	-	-	-	-
Forward exchange contracts facility	3,500	2,889	-	-
Corporate credit card facility	-	12	-	-
Multi-option credit facility	750	750	250	250
	4,250	3,651	250	250
	4,250	3,651		250

A first ranking mortgage debenture with fixed and floating charges over the whole of the assets has been granted to the Company's banker for the establishment of the credit facilities and forward exchange contracts totalling \$4,323,000 (2007: \$4,308,000).

	CONSOLIDATED		THE	OMPANY
	2008	2007	2008	2007
	\$'000	\$'000	\$'000	\$'000
22. NON INTEREST BEARING LIABILITIES				
Non-Current				
Loans and advances - secured (a)	14,151	13,463	14,151	13,463
Present value of additional investment in Synerject LLC (b)	-	4,495	-	-
	14,151	17,958	14,151	13463

(a) The Government of Western Australia has provided the company with a fully utilised loan facility of \$19,000,000 under the terms of a "Development Agreement". Repayment of this facility will be in full on the date which is 25 years after the date on which the first advance is made (May 1989), or in any year prior to that date if the aggregate number of OCP engines produced, calculated on a worldwide basis, exceeds 5,000,000, by equal annual payments, each of one fifth of the loan, on 1 July in the year commencing 1 July following the year in which such production is achieved. No interest accrues on this facility until such time as the loan becomes payable.

This loan facility is secured by way of a second ranking floating debenture over the whole of the assets and undertakings of the Company.

The non-interest bearing loan from the Government of Western Australia was initially recognised at fair value and subsequently stated at amortised cost with any difference between cost and repayment value being recognised in the income statement over the period of the borrowings on an effective interest basis.

The fair value of the loan 2008: \$13,088,174 (2007:\$12,450,210) is calculated by discounting the expected future cash flows at the prevailing market interest rate at reporting date (2008: 6.50%, 2007: 6.30%)

(b) In accordance with note 16, the additional consideration payable to Continental to maintain Orbital's 50% interest in Synerject LLC of US\$4 million, has been deferred from 28 September 2006 to 30 June 2008. The liability was initially recognised at its fair value (28 September 2006 \$US\$3.692 million) and subsequently stated at amortised cost (30 June 2007: US\$3.821 million) on an effective interest basis.

23. EMPLOYEE BENEFITS			
(a) Current	1,028	1,190	 -
(b) Non-current	1,362	1,236	 
(c) Aggregate Liability for employee entitlements	2,390	2,426	 <u> </u>
The present value of employee entitlements not expected to be settled within twelve months of balance date have been calculated using the following weighted averages:			
Assumed rate of increase in wage and salary rates	5.0%	6.5%	
Discount rate at 30 June	6.5%	6.3%	
Settlement terms (years)	10	10	
Number of employees			
Number of employees at year end	89	95	

		CONSOLIDATED		THE C	OMPANY
		2008	2007	2008	2007
		\$'000	\$'000	\$'000	\$'000
24.	PROVISIONS				
(a)	Current				
System	warranty	90	-		-
Other		36		-	
		126			
(b)	Reconciliations				
D			11		1

Reconciliations of the carrying amounts for each class of provisions except for employee entitlements, are set out below:

Systems warranty - current				
Carrying amount at beginning of year	-	102	-	-
Provision made during the year - net of (expired)	-	(102)	-	-
Fair value of acquired systems warranty provision (note 33)	90			
Carrying amount at end of year	90	-	-	-
Other provisions current				
Carrying amount at beginning of year	-	4	-	-
Provision made during the year	36	(4)	-	-
Carrying amount at end of year	36	-	_	

#### (c) Nature and timing of provisions

#### Systems warranty

Upon acquisition of Boral Alternative Fuel Systems (note 33), the Group has recognised a provision for expected warranty claims on products sold during the last three years, based on current sales levels, current information available about past returns and repairs, and on the two-year warranty period for all products sold by the LPG systems sales business.

With the transfer of the marine and recreation system sales business to Synerject LLC, warranty liabilities for all marine and recreation system sales as from 1 April 2003 are the contractual responsibility of Synerject LLC. Orbital retained the warranty responsibilities for product shipped prior to 1 April 2003 until the expiry of the warranty periods, the last of which expired in March 2007.

#### Other provisions.

The Group has recognised as an expense in the current financial year a provision for expected losses on engineering projects where it is probable that the total project costs will exceed total project revenues.

#### 25. **GOVERNMENT GRANTS**

## **Current Liabilities**

Investment grant for construction of heavy duty engine testing facility

Total government grants deferred

2,760	-	-	
2,760		-	-

In June 2008 the Group received funding of \$2.76 million from the Commonwealth of Australia through the Alternative Fuels Conversion Program administered by the Department of the Environment, Water, Heritage and the Arts towards the construction of a heavy duty engine test facility. The total construction costs are estimated at A\$3.56 million. The Group will fund the maintenance and operation of the facility until at least financial year 2014/2015 and provide the Commonwealth with preferential access to the facility.

The government grant will be recognised as income over the periods and in the proportions in which depreciation on the heavy duty engine test facility is charged.

#### (a) Movement in government grants

At 1 July	-	-	-	-
Received during the year	2,760	-	-	-
Released to the income statement	-	-	-	-
At 30 June	2,760	-	-	-

	CON	CONSOLIDATED		OMPANY
	2008 \$'000	2007 \$'000	2008 \$'000	2007 \$'000
26. CONTRIBUTED EQUITY				
Ordinary shares	225,720	225,560 225,560	225,720	225,560 225,560

Fully paid ordinary shares carry one vote per share and carry the right to dividends.

	Number	\$'000s
Movement in ordinary shares on issue		
At 1 July 2006	411,292,088	216,768
Shares issued pursuant to a share placement	26,666,667	4,000
Shares issued pursuant to employee share plans	471,872	-
Share issued pursuant to a share purchase plan	34,696,191	5,204
Transaction costs	-	(412)
At 30 June 2007	473,126,818	225,560
Shares issued pursuant to employee share plans	1,436,374	160
At 30 June 2008	474,563,192	225,720

Holders of ordinary shares are entitled to receive dividends as declared from time to time and are entitled to one vote per share at shareholders' meetings.

In the event of winding up of the Company, ordinary shareholders rank after creditors and are fully entitled to any proceeds of liquidation.

## (a) Capital management

When managing capital, management's objective is to ensure the entity continues as a going concern as well as to maintain optimal returns to shareholders and benefits for other stakeholders. Management also aims to maintain a capital structure that ensures the lowest cost of capital, provides a strong capital base so as to maintain investor, creditor and market confidence and to sustain future development of the business.

Management has no current plans to change the share capital.

	CONSOLIDATED		THE C	OMPANY
	2008	2007	2008	2007
	\$'000	\$'000	\$'000	\$'000
27. ACCUMULATED LOSSES AND RESERVES				
(a) Movements in accumulated losses were as follows:				
Balance 1 July	(208,242)	(209,575)	(209,274)	(209,537)
Net profit/(loss)	469	1,333	(1,852)	263
Balance 30 June	(207,773)	(208,242)	(211,126)	(209,274)

## 27. ACCUMULATED LOSSES AND RESERVES (continued)

## (b) Other reserves

	Employee Equity Benefits Reserve \$'000	Foreign Currency Translation Reserve \$'000	Cash Flow Hedge Reserve \$'000	Total \$'000
CONSOLIDATED	,	,	,	
Balance at 1 July 2006	512	38	_	550
Equity-settled transaction-employee shares	263	-	-	263
Total recognised income and expense		(1,692)	(37)	(1,729)
Balance at 30 June 2007	775	(1,654)	(37)	(916)
Balance 1 July 2007	775	(1,654)	(37)	(916)
Equity-settled transaction-employee shares	281	-	-	281
Transfer to share capital	(160)	-	-	(160)
Total recognised income and expense	<u> </u>	(1,627)	(35)	(1,662)
Balance at 30 June 2008	896	(3,281)	(72)	(2,457)
THE COMPANY				
Balance at 1 July 2006	512	-	-	512
Equity-settled transaction-employee shares	263	-	-	263
Total recognised income and expense				
Balance at 30 June 2007	775	-		775
Balance 1 July 2007	775	-	-	775
Equity-settled transaction-employee shares	281	-	-	281
Transfer to share capital	(160)	-	-	(160)
Total recognised income and expense				
Balance at 30 June 2008	896	-		896

## (c) Nature and purpose of reserves

## Employee equity benefits reserve

The employee equity benefits reserve is used to record the value of share based payments provided to employees, including KMP's, as part of their remuneration. In prior years this reserve was recognised directly in accumulated losses. The reserve has been separately presented to enhance disclosure. Refer to note 32 for further details of these plans.

## Foreign currency translation reserve

The foreign currency translation reserve is used to record exchange differences arising from the translation of the financial statements of foreign subsidiaries.

## Cash flow hedge reserve

This reserve records the Group's portion of Synerject LLC's gain or loss on a hedging instrument in a cash flow hedge that is determined to be an effective hedge.

## 28. CONSOLIDATED ENTITIES

D			Consolidated	Entity Interest
Parent Entity Orbital Corporation Limited	Note	Class of Shares	2008 %	2007 %
Controlled Entities, incorporated and carrying on business in:				
Australia				
- Orbital Australia Pty Ltd - Orbital Australia Manufacturing Pty Ltd - OEC Pty Ltd - Axiom Invest No 2. Prt Ltd - S T Management Pty Ltd - OFT Australia Pty Ltd - Investment Development Funding Pty Ltd - Power Investment Funding Pty Ltd - Orbital Environmental Pty Ltd	(a) (a) (a) (a) (a) (a) (a)	Ord	100 100 100 71.3 100 100 100	100 100 100 71.3 100 100 100
United States of America				
- Orbital Holdings (USA) Inc. - Orbital Fluid Technologies Inc. - Orbital Engine Company (USA) Inc.	(a) (a)	Ord Ord Ord	100 100 100	100 100 100
United Kingdom - Orbital Engine Company (UK) Ltd	(a)	Ord	100	100

<sup>(</sup>a) Dormant for the years ended 30 June 2008 and 30 June 2007.

## 29. RELATED PARTIES

## (a) Identity of related parties

The Group has a relationship with its subsidiaries (see note 28), jointly controlled entities (see note 16), and with its key management personnel (refer to disclosures for key management personnel, see note 30).

## (b) Controlled Entities

Details of interest in controlled entities are set out in Note 28. Details of dealings with controlled entities are set out below:

#### (i) Intercompany Loans

 $The aggregate \, amounts \, receivable \, from/payable \, to \, wholly \, owned \, controlled \, entities \, by \, the \, Company \, at \, balance \, date: \, aggregate \, amounts \, receivable \, from/payable \, to \, wholly \, owned \, controlled \, entities \, by \, the \, Company \, at \, balance \, date: \, aggregate \, amounts \, receivable \, from/payable \, to \, wholly \, owned \, controlled \, entities \, by \, the \, Company \, at \, balance \, date: \, aggregate \, amounts \, receivable \, from/payable \, to \, wholly \, owned \, controlled \, entities \, by \, the \, Company \, at \, balance \, date: \, aggregate \, amounts \, aggregate \, aggreg$ 

	THE C	COMPANY
	2008	2007
	\$'000	\$'000
Receivables (after provision)		
Non-current	17,375	12,826
Borrowings		<del></del>
Current	6,431	8,582

Interest is not charged on inter-company loans. Amounts are payable on demand, although it is not expected that they will be called within the next twelve months.

## (ii) Transactions

During the year the Company and controlled entities purchased goods and services from other entities within the wholly-owned group. These transactions are in the ordinary course of business and on normal commercial terms and conditions.

As from 1 July 2002 all salary costs, directors' fees, audit and taxation fees, insurance costs, stock exchange and shareholder costs and other overheads of the Company, have been incurred and paid for by the main trading company within Australia, Orbital Australia Pty Limited, which is a wholly owned subsidiary of Orbital Corporation Limited.

## 29. RELATED PARTIES (continued)

#### (c) Other Related Parties

Details of dealings with other related parties, being joint venture entity Synerject LLC, are set out below:

## (i) Receivables and Payables

The aggregate amounts receivable from/payable to Synerject LLC by the Group at balance date are:

	CONSC	DLIDATED
	2008 \$'000	2007 \$'000
Receivables Current	16	21
Payables Current	-	-

## (ii) Transactions

During the year the Group provided engineering services to Synerject LLC of \$0.081 million (2007: \$0.047 million) and purchased goods and services to the value of \$0.078 million (2007: \$0.088 million) from Synerject LLC. All transactions are in the ordinary course of business and on normal commercial terms and conditions.

#### 30. KEY MANAGEMENT PERSONNEL

The following were key management personnel of the Group at any time during the reporting period and unless otherwise indicated were key management personnel for the entire period:

#### Non-executive directors

Mr WP Day (Chairperson) (appointed August 2007)

Mr DWJ Bourke (Chairperson) (deceased August 2007)

Mr JR Marshall

Mr JG Young

Dr MT Jones (appointed March 2008)

Dr V Braach-Maksvytis (appointed March 2008)

#### **Executive directors**

Mr TD Stinson (Managing Director & Chief Executive Officer) (appointed June 2008)

Dr RA Houston (Managing Director & Chief Executive Officer) (resigned June 2008)

#### Executives

Mr KA Halliwell (Chief Financial Officer)

Mr BA Fitzgerald (Director of Sales & Marketing)

Dr GP Cathcart (Director of Engineering & Operations)

## Key management personnel compensation

The key management personnel compensation included in 'employee benefits expense' (see note 9) are as follows:

	CONSOLIDATED		THE C	OMPANY
	2008 \$'000	2007 \$'000	2008 \$'000	2007 \$'000
Short-term employee benefits	1,194,706	1,168,310	-	-
Post-employment benefits	114,231	100,035	-	-
Equity compensation benefits	177,577	152,063	-	
	1,486,514	1,420,408		-

## Individual directors and executives compensation disclosures

No director has entered into a material contract with the Company or the Group since the end of the previous financial year and there were no material contracts involving directors' interest at year-end.

## 30. KEY MANAGEMENT PERSONNEL (continued)

## Loans to key management personnel and their related parties

The Company and the Group have not made any loans to key management personnel or their related parties since the end of the previous financial year and there were no loans to any key management person or their related parties at year-end.

#### Movements in shares

The movement during the reporting period in the number of ordinary shares in Orbital Corporation Limited held, directly, indirectly or beneficially, by each key management person, including their related parties, is as follows:

	Held at 1 July 2007	Purchases	Granted as compensation	Sales	Other*	Held at 30 June 2008
Non-executive directors Mr WP Day Mr DWJ Bourke Mr JR Marshall Mr JG Young	133,333 66,880 183,537	100,000		-	(133,333)	100,000 - 66,880 248,537
Executive directors Dr RA Houston Executives	108,371	-	303,238	-	(411,609)	-
Mr KA Halliwell Mr BA Fitzgerald Dr GP Cathcart	196,418 101,702 95,154	- - -	303,238 203,238 88,238	- - (16,162)	- - -	499,656 304,940 167,230

	Held at 1 July 2006	Purchases	Granted as compensation	Sales	Other*	Held at 30 June 2007
Non-executive directors						
Mr DWJ Bourke	100,000	33,333	-	-	-	133,333
Mr JR Marshall	66,880	-	-	-	-	66,880
Mr JG Young	149,906	33,631	-	-	-	183,537
<b>Executive directors</b> Dr RA Houston	68,574	33,333	6,464	-	-	108,371
Executives						
Mr KA Halliwell	156,621	33,333	6,464	-	-	196,418
Mr BA Fitzgerald	96,805	-	6,464	(1,567)	-	101,702
Dr GP Cathcart	55,357	33,333	6,464		-	95,154

<sup>\*</sup> Represents shareholding at date of ceasing to be a Director of the Company.

## 31. NOTES TO THE STATEMENTS OF CASH FLOWS

### Reconciliation of cash flows from operating activities

NOTE	CONSOLIDATED		THE COMPANY	
	2008 \$'000	2007 \$'000	2008 \$'000	2007 \$'000
Profit/(loss) after income tax	469	1,333	(1,852)	263
Adjustments for: (Profit)/loss on sale of property, plant and equipment 8 Depreciation Allowance for doubtful debts Amortisation of non-interest bearing loans Amounts set aside to warranty and other provisions Share of net profit of joint venture entity Employee compensation expense Non-cash changes in tax balances Net foreign exchange (gains)/losses  9(c)	3 1,272 379 886 (552) (2,357) 281 (613) 175	(32) 1,001 (1) 816 (52) (3,157) 263 (490)	- - 688 - - - - (371)	- - 654 - - - - (600)
Provision against carrying value of investments in controlled entities	-	-	1,974	(800)
Net cash provided by/(used in) operating activities before changes in assets and liabilities	(57)	(250)	439	317
Changes in assets and liabilities during the year: Decrease/(increase) in receivables Decrease in inventories (Decrease)/increase in payables Increase in government grants (Decrease)/increase in employee provisions	(3,032) 5 (401) 2,760 (160) (828)	(868) - 757 - 179 -	51 - - - - - - - 51	(81) - - - - (81)
Net cash from operating activities	(885)	(182)	490	236
32. SHARE BASED PAYMENT PLANS				
(a) Recognised share-based payment expenses				
The expense recognised for employee services received during the year is shown in the table below:				
Expense arising from equity-settled share-based payment transactions	281	263		

The share-based payment plans are described below. There have been no cancellations or modifications to any of the plans during 2008 and 2007.

## (b) Types of share-based payment plans

Employee Share Plan No. 1

Under Employee Share Plan No. 1 each eligible employee is offered fully paid ordinary shares to the value of \$1,000 per annum, while under Employee Share Plan No. 2 shares may be offered to eligible employees at the discretion of the Board of Directors.

During the year there were 236,374 (2007: 471,872) shares issued under Plan 1 to eligible employees at a market value on the day of issue of \$73,000 (2007: \$73,000).

Executive Long Term Share Plan ("ELTSP")

Executives may also be offered shares in the Company's Executive Long Term Share Plan under which offered shares will be granted subject to the satisfaction of performance conditions over a 3 year period or subject to Board discretion for other qualifying reasons. The performance conditions, which are based on the relative ranking of the Total Shareholder Return ("TSR") of the Company to a group of selected peers, apply to determine the number of shares (if any) to be granted to the Executives.

TSR is the percentage increase in a company's share price plus reinvested dividends over a given period and reflects the increase in value delivered to shareholders over that period. The peer group to which the Company's TSR will be compared will comprise the 50 smallest companies, other than resource companies and property and investment trust companies, within the S&P / ASX 300 Index. These companies have a similar market capitalisation to the Company. The TSR performance criterion was chosen as it is widely accepted as one of the best indicators of shareholder wealth creation as it includes share price growth, dividends and other capital adjustments. In addition, this criterion provides a readily obtained objective means of measuring the Group's performance against its peer group.

## 32. SHARE BASED PAYMENT PLANS (continued)

#### (b) Types of share-based payment plans (continued)

Executive Long Term Share Plan ("ELTSP") (continued)

The Company's TSR ranking at the end of the Performance Period, when compared to the TSR of the peer group will determine the percentage of shares originally offered which will be granted to the Executive.

The following table sets out the relevant percentages based on various percentile rankings of the Company:

Company Performance (TSR Ranking)	% of offered shares issued to each Executive
Up to the 50th percentile	0%
At or above the 50th percentile but below the 75th	50% to 99% (on a straight line basis)
At or above the 75th percentile but below the 90th	100%
At or above the 90th percentile	125%

No shares will be granted unless the Company's TSR is at or above the 50th percentile. In 2008 1,200,000 shares were issued in accordance with the terms of the plan. No shares were issued under the LTI in the 2007 financial year as the company's performance against its peer group ranked it below the 50th percentile.

At the Company's Annual General Meeting in October 2004, shareholders approved the above plan in relation to the ongoing remuneration of Executive Directors and senior executives.

2007

During the year, a total of 1,460,000 shares were offered to 11 executives (2007: 3,905,000 shares offered to 14 executives).

#### (c) Summary of shares granted under the ELTSP

	Number	Number
Outstanding at the beginning of the year	7,065,000	4,575,000
Granted during the year	1,460,000	3,905,000
Forfeited during the year	-	(460,000)
Vested during the year	(1,200,000)	-
Expired during the year		(955,000)
Outstanding at the end of the year	7,325,000	7,065,000

The outstanding balance as at 30 June 2008 is represented by:

- 2,220,000 ordinary shares with a fair value at grant date of \$0.099 that will potentially vest in August 2008;
- 3,645,000 ordinary shares with a fair value at grant date of \$0.071 that will potentially vest in August 2009; and
- 1,460,000 ordinary shares with a fair value at grant date of \$0.173 that will potentially vest in August 2010.

## (d) Fair value of shares on grant date

The following factors and assumptions were used in determining the fair value of shares on grant date:

		Fair Value	Exercise	Price of shares	Expected	Risk free
Grant date	Life	per share	price	on grant day	volatility	interest rate
30-Aug-05	3 years	9.9 cents	nil	11.0 cents	38.80%	5.03%
31-Aug-06	3 years	7.1 cents	nil	9.6 cents	33.40%	5.79%
31-Aug-07	3 years	17.3 cents	nil	22.0 cents	45.40%	6.20%

## 33. BUSINESS COMBINATION

On 26 June 2008, Orbital Australia Pty Limited acquired 100% of the business assets of Boral Alternative Fuel Systems a business based in Australia specialising in the assembly and supply of automotive LPG fuel systems.

The total provisional cost of the combination was \$1,869,000 and comprised the payment of cash and costs directly attributable to the combination. The final total cost of the combination will be determined within the next financial year.

The provisional fair values of the identifiable assets and liabilities of Boral Alternative Fuel Systems as at the date of acquisition were:

	CONSOLIDATED		
	Recognised on Acquisition \$'000	Carrying Value \$'000	
Inventories	1,697	1,697	
Plant and equipment	35	43	
	1,732	1,740	
Provision for warranties	(90)	(50)	
Provision for employee entitlements	(124)	(111)	
	(214)	(161)	
Fair value of identifiable net assets	1,518		
Goodwill arising on acquisition	351		
	1,869		
Cost of the combination:			
Cash paid	1,758		
Direct costs relating to the acquisition	111		
Total cost of the combination	1,869		
The cash outflow on acquisition is as follows:			
Net cash acquired with the business Cash paid	(1,758)		
Direct costs paid	(111)		
Net consolidated cash outflow	(1,869)		

From the date of acquisition, the business has not contributed to the net profit of the Group. The Group is unable to determine what the revenue or profit of the combined entity would have been if the combination had taken place at the beginning of the year as it does not have access to the underlying information.

The goodwill relates to synergistic benefits and assembled workforce.

## 34. DEFINED CONTRIBUTION SUPERANNUATION FUND

The Group contributes to a defined contribution plan for the provision of benefits to Australian employees on retirement, death or disability. Employee and employer contributions are based on various percentages of gross salaries and wages. Apart from the contributions required under superannuation legislation, there is no legally enforceable obligation on the Company or its controlled entities to contribute to the superannuation plan.

	CONSOLIDATED		THE COMPANY	
	2008	2007	2008	2007
	\$'000	\$'000	\$'000	\$'000
35. COMMITMENTS				
(a) Operating leases				
Non-cancellable future operating lease rentals not provided for in the financial statements and payable:				
- Not later than one year	56	9	-	-
- Later than one year but not later than five years	15	15	-	-
- Later than five years				
	71	24		

The Group leases plant & equipment under operating leases. The plant & equipment leases typically run for a period of 5 years and the lease payments are fixed. None of the leases include contingent rentals.

During the financial year ended 30 June 2008, \$8,931 was recognised as an expense in the income statement in respect of operating leases (2007:\$8,931).

#### (b) Other

The Group has a capital commitment of \$2,760,000 payable not later than one year in relation to a Government Grant (see note 25).

#### 36. CONTINGENT LIABILITIES

The details and estimated maximum amounts of contingent liabilities that may become payable are set out below. The directors are not aware of any circumstance or information that would lead them to believe that these liabilities will crystallise.

In the event of the Company terminating the employment of the Chief Executive Officer (other than by reason of serious misconduct or material breach of his service agreement), an equivalent of 12 months remuneration is payable to the CEO. There are no other contingent liabilities for termination benefits under the service agreements with Directors or other persons who take part in the management of any entity within the Group.

## 37. SUBSEQUENT EVENTS

There has not arisen in the interval between the end of the financial year and the date of this report any item, transaction or event of a material and unusual nature that is likely, in the opinion of the Directors of the Company, to significantly affect the operations of the Group, the results of those operations, or the state of affairs of the Group in subsequent financial years.

38. REMUNERATION OF AUDITORS	\$	\$	\$	\$
Amounts received or due and receivable for audit services by:				
Auditors of the Company				
- Audit and review of financial reports	378,979	403,017	-	-
	378,979	403,017	-	-
Amounts received or due and receivable for taxation services by:				
Auditors of the Company	9,000	28,000	-	-
Other member firms of the Auditors of the Company		8,000		
	9,000	36,000		
Amounts received or due and receivable for other services by:				
Auditors of the Company	25,000			
Total auditors' remuneration	412,979	439,017		-

The Auditor's of the Group in 2008 were Ernst & Young, whilst in 2007 the Auditors of the Group were KPMG Australia.

## Directors' Declaration for the Year Ended 30 June 2008

- In the opinion of the Directors of Orbital Corporation Limited ("the Company"): 1.
  - the financial statements and notes and the additional disclosures included in the Directors' Report designated as audited, of the Company and of the Group are in accordance with the Corporations Act 2001, including:
    - giving a true and fair view of the financial position of the Company and Group as at 30 June 2008 and of their performance, as represented by the results of their operations and their cash flows, for the year ended
    - complying with Accounting Standards in Australia and the Corporations Regulations 2001; and
  - there are reasonable grounds to believe that the Company will be able to pay its debts as and when they become due
- The directors have been given the declarations required by Section 295A of the Corporations Act 2001, from the chief executive officer and chief financial officer for the financial year 30 June 2008.

Signed in accordance with a resolution of Directors:

Managing Director Chairman

Dated at Perth, Western Australia this 20th day of August 2008

## **Independent Audit Report**



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## Independent auditor's report to the members of Orbital Corporation Limited

## Report on the Financial Report

We have audited the accompanying financial report of Orbital Corporation Limited, which comprises the balance sheet as at 30 June 2008, and the income statement, statement of recognised income and expense and cash flow statement for the year ended on that date, a summary of significant accounting policies, other explanatory notes and the directors' declaration of the consolidated entity comprising the company and the entities it controlled at the year's end or from time to time during the financial year.

### Directors' Responsibility for the Financial Report

The directors of the company are responsible for the preparation and fair presentation of the financial report in accordance with the Australian Accounting Standards (including the Australian Accounting Interpretations) and the Corporations Act 2001. This responsibility includes establishing and maintaining internal controls relevant to the preparation and fair presentation of the financial report that is free from material misstatement, whether due to fraud or error; selecting and applying appropriate accounting policies; and making accounting estimates that are reasonable in the circumstances. In Note 2, the directors also state that the financial report, comprising the financial statements and notes, complies with International Financial Reporting Standards as issued by the International Accounting Standards Board.

#### Auditor's Responsibility

Our responsibility is to express an opinion on the financial report based on our audit. We conducted our audit in accordance with Australian Auditing Standards and International Standards on Auditing. These Auditing Standards require that we comply with relevant ethical requirements relating to audit engagements and plan and perform the audit to obtain reasonable assurance whether the financial report is free from material misstatement.

An audit involves performing procedures to obtain audit evidence about the amounts and disclosures in the financial report. The procedures selected depend on our judgment, including the assessment of the risks of material misstatement of the financial report, whether due to fraud or error. In making those risk assessments, we consider internal controls relevant to the entity's preparation and fair presentation of the financial report in order to design audit procedures that are appropriate in the circumstances, but not for the purpose of expressing an opinion on the effectiveness of the entity's internal controls. An audit also includes evaluating the appropriateness of accounting policies used and the reasonableness of accounting estimates made by the directors, as well as evaluating the overall presentation of the financial report.

We believe that the audit evidence we have obtained is sufficient and appropriate to provide a basis for our audit opinion.

#### Independence

In conducting our audit we have met the independence requirements of the Corporations Act 2001. We have given to the directors of the company a written Auditor's Independence Declaration, a copy of which is included in the directors' report. In addition to our audit of the financial report, we were engaged to undertake the services disclosed in the notes to the financial statements. The provision of these services has not impaired our independence.

### Auditor's Opinion

In our opinion:

- 1. the financial report of Orbital Corporation Limited is in accordance with the Corporations Act 2001, including:
  - i giving a true and fair view of the financial position of Orbital Corporation Limited and the consolidated entity at 30 June 2008 and of their performance for the year ended on that date; and
  - ii complying with Australian Accounting Standards (including the Australian Accounting Interpretations) and the Corporations Regulations 2001.
- the financial report also complies with International Financial Reporting Standards as issued by the International Accounting Standards Board.

## Report on the Remuneration Report

We have audited the Remuneration Report included in paragraph 4.3 of the directors' report for the year ended 30 June 2008. The directors of the company are responsible for the preparation and presentation of the Remuneration Report in accordance with section 300A of the Corporations Act 2001. Our responsibility is to express an opinion on the Remuneration Report, based on our audit conducted in accordance with Australian Auditing Standards.

## Auditor's Opinion

In our opinion the Remuneration Report of Orbital Corporation Limited for the year ended 30 June 2008, complies with section 300A of the Corporations Act 2001.

Ernst & Young

G Lotter, Partner, Perth, 21 August 2008

Liability limited by a scheme approved under Professional Standards Legislation

## **Shareholding Details**

#### Class of Shares and Voting Rights

As at 31 July, 2008 there were 5,755 shareholders of the ordinary shares of the Company. The voting rights attaching to the ordinary shares, set out in Article 8 of the Company's Constitution, subject to any rights or restrictions for the time being attached to any class or classes of shares, are:-

a) at meetings of members or class of members, each member entitled to vote may vote in person or by proxy or representative; and b) on a show of hands every person present who is a member has one vote, and on a poll every person present in person or by proxy or representative has one vote for each ordinary share held.

#### Substantial Shareholders as at 18 August 2008

Equity Trustees Limited SGH PI Smaller Co's (as notified on 13 June 2007)	29,332,832	6.20%
Distribution of Shareholdings as at 31 July 2008		
1 -1,000	550	
1,001 - 5,000	1,807	
5,001 - 10,000	1,053	
10,001 - 100,000	1,938	
100,001 and over	407	
	5,755	
Total shares on issue	475,600,692	
Number of shareholders holding less than a marketable parcel	2,497	

## Top 20 Shareholders as at 15 August 2008

NAME	NUMBER OF SHARES HELD	% OF SHARES
ANZ Nominees Limited*	109,612,271	23.05
Equity Trustees Limited SGH PI Smaller Co's	32,136,625	6.76
National Nominees Limited*	29,193,177	6.14
Interstate Investments Pty Ltd	11,647,357	2.45
Nefco Holdings Pty Limited	8,764,999	1.84
Uuro Pty Limited	8,000,000	1.68
Northcliffe Holdings Pty Limited	7,600,000	1.60
HSBC Custody Nominees (Australia) Limited	6,618,600	1.39
Colbern Fiduciary Nominees Pty Ltd	5,579,965	1.17
Twokind Pty Ltd	3,600,000	0.76
JP Morgan Nominees Australia Limited	3,264,798	0.69
Mr Rodney Noel Sweetman & Mrs Barbara Anne Sweetman	3,074,999	0.65
Citicorp Nominees Pty Ltd	2,719,837	0.57
HSBC Custody Nominees (Australia) Limited	2,694,611	0.57
Bond Street Custodians Limited	2,600,000	0.55
Annapurna Pty Limited	2,450,000	0.52
Ms Kerry Moran	2,400,000	0.50
Goodlook Investments Pty Ltd	2,300,000	0.48
Interstate Investments Pty Ltd	2,225,361	0.47
Toltec Holdings Pty Limited	2,200,167	0.46

The twenty largest shareholders hold 52.30% of the ordinary shares of the Company.

## On-market buy-back

There is no current on-market buy-back.

<sup>\*</sup> Denotes Bank of New York Mellon nominee company for United States American Depository Receipts. These nominee companies are the main representative bodies for Orbital's 9,000 (approx) US shareholders.

#### REGISTERED AND PRINCIPAL OFFICE

4 Whipple Street Balcatta, Western Australia, 6021

#### CONTACT DETAILS

Australia -

Telephone: 61 (08) 9441 2311 Facsimile: 61 (08) 9441 2111

## INTERNET ADDRESS

http://www.orbitalcorp.com.au Email: info@orbitalcorp.com.au

#### **DIRECTORS**

Peter Day - Chairman Terry Stinson - Chief Executive Officer Grahame Young Mervyn Jones Vijoleta Braach-Maksvytis

#### **COMPANY SECRETARY**

Keith Halliwell - Chief Financial Officer

#### SHARE REGISTRY

Computershare Investor Services Pty Ltd Level 2, Reserve Bank Building 45 St Georges Terrace Perth, Western Australia, 6000 Telephone: 61 (08) 9323 2000 Facsimile: 61 (08) 9323 2033

#### **ADR FACILITY**

The Bank of New York Mellon 101 Barclay Street New York, NY, 10286 United States of America Telephone: 1 (212) 815 2218 Facsimile: 1 (212) 571 3050

## SHARE TRADING FACILITIES

Australian Stock Exchange Limited (Code "OEC")
OTC Bulletin Board (Code "OBTLY")

#### **AUDITORS**

Ernst & Young The Ernst & Young Building 11 Mounts Bay Road Perth, Western Australia, 6000

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