

Enterprises

Austal Ships

Based near Fremantle, Austal is a world leading aluminium shipbuilder and a prime contractor to the Australian defence industry.

Austal gives young people an opportunity to gain trade qualifications whilst building some of the world's most advanced commercial and military vehicles. With uniforms, safety equipment, power tools and TAFE training provided, Austal offers apprenticeships in:

- Marine fabrication
- Aluminium welding
- Marine fitting
- First class machining
- Marine interior fitout (cabinet making)
- Electrical mechanics

Austal Ships is co-hosting the Marine and Defence Industry WorkSmart Program with Tenix. Both organisations are committed to promoting engineering education and training and offer a range of employment opportunities.

FormSys (Formation Design Systems)

FormSys (Formation Design Systems) is a software company specialising in software systems for the design, construction and through life modification of naval and commercial ships.

Since 1984, our Maxsurf suite of naval architecture software has led the industry in innovation and capability. Maxsurf users include major Japanese shipbuilders, US Navy, US Coast Guard, Bath Iron Works, Austal Ships, Incat Designs, and Americas Cup syndicates.

In recent years our alliance with ShipConstructor and NavisWorks has broadened our focus to include shipbuilding and team collaboration as well as ship design. This lets us provide a suite of tools that go all the way from initial design through to final construction and through life modification.

Behind the software systems is our team of naval architects and engineers. Most of our technical staff members come from a naval architecture, shipbuilding or engineering background. This helps us provide advice which is both practical and technically deep.

Contact:

Formation Design Systems Pty Ltd

Australia Suite B,

1A

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Fremantle,

WA 6160,

Australia

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Thales Australia

Australia is a leading defence, engineering and systems company with annual revenue of around \$1 billion and around 3500 employees. It is composed of six business groups: Naval, Land Systems, Joint Systems, Defence Services and Aerospace, Civil and Air Systems.

Thales has a substantial WA based capability that provides specialist support for a wide range of defence and civil requirements. These include:

Software Development "Nedlands

- Software requirements engineering, design and development
- Naval combat system design and development
- Civil security design and development

Ship Repair and Maintenance -

Henderson

- Management and conduct of naval ship maintenance

Underwater Systems – Rockingham

- Support to Thales sonar and other equipment onboard Collins class submarines

Electronic Systems – Rockingham

- Naval Weapons support
- Gas turbine support
- Ship systems support (Nixie)
- Maintenance planning and technical document support

Explosive Ordnance – Rockingham

- Explosive ordnance storage, distribution and maintenance

Contact:

General

Manager,

WA Business Operations

20-22 Stirling Hwy

Nedlands,

WA 6009

08 9333 8800

L-3 Nautronix Ltd
Based in

Fremantle,

Western Australia, L3 Nautronix provides underwater information networks to the Australian Defence Forces (ADF), and

other countries. It has a particular emphasis on through-water acoustic communication and control systems, portable underwater test and evaluation, and signature measurement ranges.

With more than 20 years experience, the company has developed an expertise base in mine counter measures, hydrographic solutions, system design and development, software engineering, and systems integration, extending into the areas of Network Centric Warfare, electronic chart system programs and areas such as border and harbour protection and environmental assessment.

As a member of the L3 team, Nautronix is able to utilise international company networks and markets.

Contact:

108 Marine Terrace

Fremantle

WA 6160

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Raytheon

Raytheon

Australia is an industry leading company operating in the fields of Defence, government, and commercial electronics, mission systems integration, support services, and special mission aircraft. It employs over 1300 people throughout

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Raytheon conducts a wide range of programs which include work on the Collins Replacement Combat System, the Electronic Warfare Training System, Defence aviation support and systems engineer for the Air Warfare Destroyer's combat systems.

The Company provides independent program execution while maintaining access to the global resources of Raytheon and its reputation for innovative technologies developed over 80 years.

Contact:

WA Office

1 McGrath Rd

Henderson

WA 6166

08 94948600

ASC Pty Ltd

ASC was selected in 1987 as the prime contractor for the design and manufacture of the Royal Australian Navy's (RAN) fleet of six Collins Class submarines and in May 2005 as the shipbuilder for the Hobart Class Air Warfare Destroyer (AWD) program.

Today, ASC is responsible for the continuous design enhancements, maintenance and support of the Collins Class submarines, under a 25 year, multi-billion dollar through-life support contract signed in 2003.

The work, which is carried out at ASC's South Australian and Western Australian facilities, will keep the submarines at the forefront of

Australia's naval defence capabilities throughout their operational lives.

Underpinning these operations in

Western Australia is a new \$35 million dollar facility in the Australian Marine Complex, located to marry with a new floating dock and transfer system to allow submarines to be taken out of the water and into the maintenance hall.

Contact

P.O. Box 599

Rockingham

WA 6168

08 9409 3286

SyntheSys Systems Engineers

SyntheSys provides systems, technology and management consultancy services to government, commercial, and industrial clients, assisting clients in the development and support of complex information management systems, for both the defence and commercial sectors.

SyntheSys Capabilities include:

- Developing the concept of operations for systems
- Capturing the system requirements
- Compiling the technical specifications
- Managing the procurement process
- Subject matter experts for the definition of life cycle costing
- Providing project management expertise and resources for projects
- Development of bespoke computer systems and software
- Configuration management of systems
- Training courses

In particular, SyntheSys has extensive knowledge in the operation of military tactical

data links such as Link 16 and the Variable Message Format (VMF).

Unmanned Air Vehicles - the company has significant knowledge and experience with UAVs such as developing concept of operations, autonomous operations, communications, control and security, trials and evaluation.

SyntheSys staff is security cleared and the company is approved to ISO 9001. The majority of staff operate on a tele-working basis, enabling them to work either on customer sites such as part of closely knit Integrated Project Teams, or at home in

facilities provided by SyntheSys such as this approach minimises overheads and provides

best value for the customer. With a large number of ex-military operators who have

extensive practical, technical and operational experience, SyntheSys provides

capabilities unrivalled by any other company.

Contact: Mr Graham Priestnall, Managing Consultant

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