

Avalon 2025 Victorian Government Pavilion Capability Directory

Overview

Victoria's defence industry is renowned for its highly skilled workforce, excellence and unparalleled capabilities in:

- advanced manufacturing
- world-class research and development
- delivering complex defence projects.

Victoria has proven expertise in aerospace, land systems, cyber security, maritime and munitions. The Victorian Government supports its defence industry to build capability, secure projects and create jobs.

Our defence sector generates over \$10.9 billion in direct annual expenditure, delivering \$4.9 billion in GVA benefits across the supply chain, with \$1.7 billion in annual exports. Defence supply chain businesses employ over 29,000 people across the state.

Join us at **Stand 1M16** during AVALON 2025 or visit our website **defence.vic.gov.au**



Victorian State Government

The Defence and Aerospace team provides a single point of entry for government and industry coordination across the Victorian defence sector. We focus our efforts on securing high value investment, trade and supply chain opportunities for the State.

defence@ecodev.vic.gov.au

defence.vic.gov.au

Victoria's Aerospace Capabilities

Victoria has extensive capabilities in the design, development, manufacturing and sustainment of a range of aerospace platforms.

Home to around 500 aerospace companies, Victoria is leading the way in delivering projects for the Australian and global defence industries.

Victoria's leading aerospace capabilities include:

- advanced composite materials and production
- component design, testing and certification
- simulation and modelling
- advanced manufacturing
- software development
- platform support and systems engineering
- air traffic management systems
- maintenance, repair and overhaul
- unmanned aerial vehicles.

Victorian State Government Supporting Advanced Air Mobility

The Victorian Government is actively supporting the development of an Advanced Air Mobility (AAM), drones and the zero-emissions emerging aviation sector that promises transformational industrial opportunities in logistics, service delivery, emergency services, regional connectivity, freight and passenger transport.

Advanced Air Mobility - Invest Victoria

Victoria's AAM Capabilities

Victoria is home to world renowned universities and companies leading the commercialisation of novel and innovative aviation technologies, underpinned by world-class education and training, design, testing and manufacturing opportunities in Victoria.

Victoria's leading AAM capabilities include:

- electric engine systems and platforms
- hydrogen fuel cells
- batteries development
- advanced manufacturing capacity
- drone logistics services
- advanced composite and carbon fibre manufacturing
- Digital Twin simulation modelling.

Victorian Defence and Space Network



The Victorian Defence and Space Network (VSDN), is an initiative by the Victorian Government and AIDN. It promotes Victorian defence and space industry globally. Its mission is to help VDSN members secure more work and foster industry growth and relevance with the Australian Government.

manager@vdsn.org | vdsn.org

The VDSN Objectives are to:

- Promotes Victorian defence and space capabilities to key stakeholders domestically and internationally
- Identify opportunities for Victoria's supply chain companies with industry advice and intelligence
- Connect industry with domestic and global defence and space opportunities
- Communicate Victoria's defence and space industry supply chain capabilities
- Grow the Victorian defence and space industry and minimise barriers for Victorian SMEs

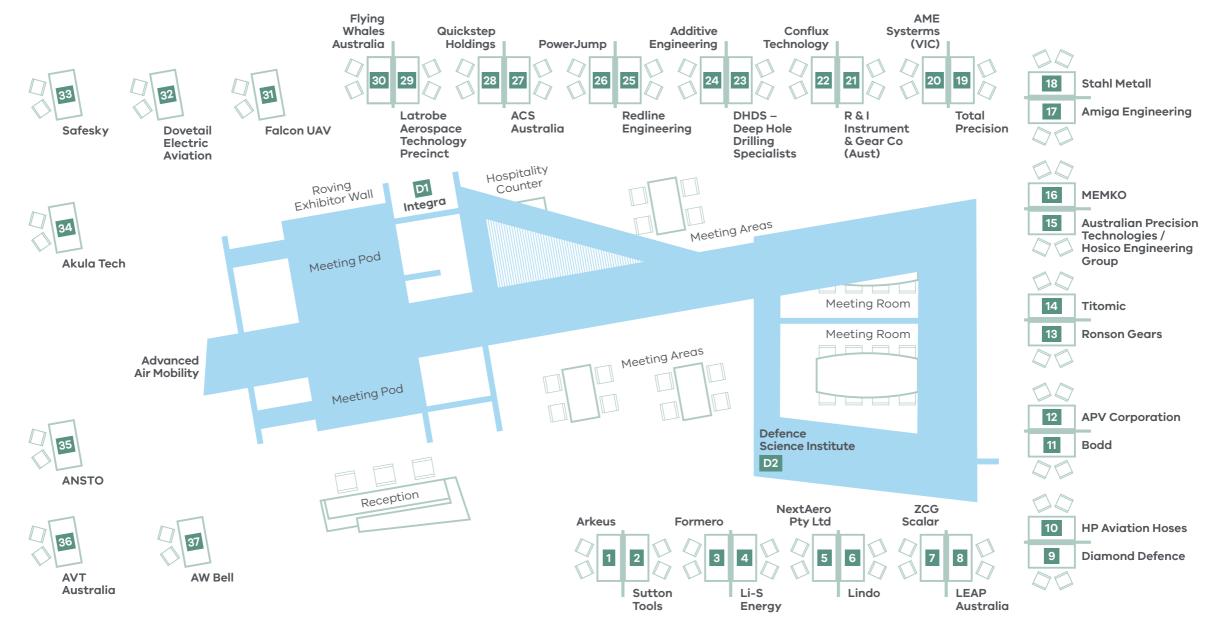
The VDSN aims to:

- Manage and expand Victorian defence and space industry membership
- Advice companies on supplying to the Department of Defence (Defence)
- Deliver industry briefings across Victoria
- Promote and connect member companies at industry events

Be part of a community advancing Victoria's defence and space industry, network with industry professionals, access valuable information and resources, and contribute to the industry's success.

The Victorian Government invites all businesses in the defence and/or space industry in Victoria to join the VDSN.

Floor Plan



| Exhibitor Capability Matrix | Page | Artificial Intelligence | Autonomous Systems | Communications | Design | Electronic Warfare | Engineering | Field Equipment | Humanitarian | ICT & Cyber | Intelligence, Surveillance & Reconnaissance | Logistics | Manufacturing | Medical | Optical | Personal Protection | Research & Development | Robotics | Ship Building | Space Capabilities | Test Equipment | Through-Life Support | Training & Education | Uncrewed & Counter Uncrewed Systems | Vehicles & Accessories | Weapons & Ammunition |
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Advanced Composite Structures Australia



Paul Falzon | General Manager | +61 3 9676 4900 | +61 412 643 275 | info@acs-aus.com | acs-aus.com

ACS Australia is a leading composites engineering and manufacturing organisation, with a reputation for taking on challenging projects. Specialising in design, manufacture and repair of light weight, composite structures. With over 30 years of experience supporting Defence, ACS Australia is the ideal partner to deliver Defence solutions.

Product and Services

- Autonomous Vehicles UAV / AUV / Drone design and manufacture of composite structures
- SatCom Structures carbon fibre epoxy structures with optimised design for reduced weight
- Hypersonic Structures manufacture of Ultra-high temperature (UHT) composite structures
- Transport Structures Complex composite and metallic structures for air, land and sea vehicles

Key Customers and Partners

- Defence Science and Technology Group
- Anduril
- EM Solutions
- Boeing Defence Australia
- Australian Composites
 Manufacturing CRC

Capabilities and Discriminators

- Full spectrum from design through to manufacture all in one partner
- Automated composites manufacturing (filament winding, ply cutting, NC machining) and assembly (NC drill / trim)
- Structural optimisation, impact and crash simulation capabilities
- Manufacture of Ultra-high temperature (UHT) composite structures for hypersonic and space applications
- Proven record of delivering composite products to industry for more than 30 years
- 100% Australian owned and operated

- ISO 9001 Certified Organisation
- Composites Australia Innovation Award for Advancements in Composite Technology
- City of Melbourne Lord Mayor Business Award
- Highly Commended in Australia's 50 Most Innovative Manufacturers Award
- JEC Asia Innovation Award

Additive Engineering



Hugh Tevelein | Managing Director | +613 9007 0933 | +61 413 896 021 | hugh@additiveengineering.com.au | additiveengineering.com.au

Additive Engineering Pty Ltd provides precision additive manufacturing services using certified technology and materials to manufacture high quality products to the requirements of medical standards. The same technology is also proven for manufacturing consistent, strong yet lightweight air-worthy metal products to maintain Australia's sovereign industrial capability in the aerospace sector.

Product and Services

- 3D printing as a service
- Design Optimisation
- Part finishing
- CNC production

Key Customers and Partners

- Lockheed Martin
- Thales
- Defendtex
- Point Trading
- DSTG

Capabilities and Discriminators

- Fast production of metal and polymer components
- MOQ of 1, ISO9001, modelled to ISO13485 and AS9100

- ISO9001/2016 certified
- Adherence to ISO13485 and AS9100
- DISP

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Akula Tech



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Akula Tech is a leading innovator in the space and defence sector, specializing in advanced AI-powered software defined smart satellites and autonomous systems designed for strategic advantage. With rapid production capabilities and resilient advanced manufacturing technologies, Akula Tech delivers operational superiority through real-time data processing, trusted autonomy, and adaptive intelligence. Positioned as a future industry prime, Akula Tech enables mission-critical capabilities essential for national security and allied defence resilience.

Product and Services

- Software Defined Smart Satellites
- Edge-compute and Space graded Al system Electronic Warfare drones
- Electronic Warfare Drone Platforms
- Drone Swarming and Automated Tasking

Key Customers and Partners

- Canadian Space Agency
- Vocus
- Defence Trailblazer
- RMIT
- UniSA
- UNSW

Capabilities and Discriminators

- Trusted Autonomous Systems
- Advanced Manufacturing
- Explainable AI & Hardware development

- AI Leader of the Year Award (SME)
- Victorian International Education Awards 2024
- XPRIZE Wildfire Competition
 Qualification
- Finalist in Avalon 2025 Innovation Awards
- Finalist in Australian Al Awards 2024

AME Systems (VIC)



Laura White | Sales Manager | +613 5352 9000 | lauraw@amesystems.com.au | amesystems.com.au

We are an 100% Australian privately owned designer, manufacturer and integrator of highly complex electrical wiring harness systems and assemblies. We specialise in customised electrical solutions for heavy transport, aerospace, defence, rail, agriculture, special purpose vehicles and machinery. We offer a full service and support from design to delivery, and after-market sales. Our expertise spans 40 years, with a long history of leadership and success in the electrical harness industry. As leaders in our industry, we continue to invest in the latest technology and staff capability to offer world class electrical harness design and manufacturing services.

Product and Services

- Manufacturer of highly complex electrical wiring harness systems
- Design support
- Cable Painting
- Customised solutions for vehicle and machinery harness requirements
- Dedicated Fibre optic cable manufacturing capabilities

Key Customers and Partners

- Rheinmetall Defence Australia
- Boeing
- Thales Australia
- Northrop Grumman USA
- Hanwha Defence

- Cable / Wire laser marking
- ITAR cleanroom
- Training School
- Globally Approved to Northrop Grumman and Bosch wiring harness manufacturing standards

- Awards and Certificates
- AS9100
- ISO027001
- ISO9001

Amiga Engineering



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Amiga Engineering is a prominent Australian advanced manufacturer with strong innovation on additive manufacturing for the Defence sector. Our specialised capabilities encompass metal and polymer additive manufacturing, including materials like Tungsten and Scalmalloy, alongside CNC machining and industrial gearbox solutions. Amiga is showcasing their AMI-X3 mach2 target drone. These offerings underpin our support for defence and aerospace enhancing national security and military capabilities.

Product and Services

- Unique Titanium Ballistic
 Armour Solution
- Advanced Lightweight Armour
- Hot Leading Edges for Hypersonic applications
- Australian-Made Suppressors
- Innovation and R&D
- Australian Made Industrial Gearboxes

Key Customers and Partners

- DSTG
- Hypersonix Launch Systems
- Hanwha Defence Australia
- Lockheed Martin
- BAE Systems
- Navantia

Capabilities and Discriminators

- Innovative, cutting-edge manufacturing solutions, CNC machining, metal and polymer 3D Scanning, industrial maintenance and fabrication
- Solid rocket fuel motors, liquid engines, nozzles and hypersonic scram jet engines
- Mach 2 Target drones for Surface-to-Air and Air-to-Air combat drills and threat simulation
- Amiga innovates and manufactures bespoke Defence technologies, including metal 3D printed ballistic titanium armour and firearm components
- Solving complex Defence issues with tailored manufacturing solutions
- Metal 3D Printed Titanium Ballistic Armor Solutions
- Largest Service bureau in Australia for Metal & Polymer Additive Manufacturing
- Certified for Metal 3D Printing in Scalmalloy and Tungsten

- Winner of Defence Industry Awards 2024 – Sovereign Industry Champion
- Endeavour Awards 2024 Most Innovative Manufacturer of the Year
- AU Manufacturing Gold Award 2024 (Top 10) Most Innovative Manufacturer of the Year (out of 50 finalists)
- AU Manufacturing Defence Manufacturer of the Year 2024
- AS9100D:2016
- ISO9001:2015
- DISP-Level 1

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ANSTO



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ANSTO is home to Australia's most important landmark research infrastructure and expertise in nuclear science and technology. ANSTO has evolved to provide unique expertise in the requirements of advanced manufacturing, materials in the defence and aerospace sectors. People at ANSTO include scientists, engineers and technicians that collaborate with world leading authorities. Collaboration and connection are pivotal to the best translational research outcomes that create meaningful impact.

Product and Services

- CORIS360 Imaging and detection unit
- Engineering
- Manufacturing
- Materials
- Radiation testing

Key Customers and Partners

- Defence Primes
- SME's
- Government
- University and other Agencies (DSTG, CSIRO, NMI, NMDC, etc)

Capabilities and Discriminators

- Engineering of critical components subject to complex/extreme conditions
- Manufacturing techniques
- Internationally recognised research expertise
- Unique suite of landmark research facilities
- Unique materials experience from 50+ years of nuclear research
- Specialist radiation-based services and products
- CORIS360[®] System for radiation imaging in complex operational environments

- ISO 9000:2015 (Quality)
- ISO 45001:2018 (OH&S)
- ISO 14001:2018 (Environmental)
- Licensed with ARPANSA (Australia's only nuclear operator)
- Regulated by TGA and FDA (medical isotopes)

APV Corporation



Harry Hickling | Managing Director | +613 9355 5500 | +61 419 011 092 | harry.hickling@apvcorporation.com | apvcorporation.com

APV Engineering and Testing Services operates Australia's most advanced Test and Evaluation laboratory of its type, specializing in Survivability, Safety and Dynamic Crash Testing across the Automotive, Defence and Aerospace sector. APV Safety Products designs and manufactures occupant restraints for Aerospace, Military Vehicles, and Ground Support Equipment. We are proud of our track record in keeping Australian and U.S. troops safe in the worlds most advanced military vehicles.

Product and Services

- Occupant Restraints for Aviation and Ground Support Equipment
- Helicopter Seat Test and Evaluation to Mil Std 85510.
- Mil-Std 810G Environmental Testing
- Dynamic and Survivability Test and Evaluation
- Virtual Test, Correlation and Evaluation using LS-Dyna Simulation Modelling

Key Customers and Partners

- ArmorWorks
- Boeing
- BAE
- Department of Defence
- DSTO
- KAB seating
- Thales

Capabilities and Discriminators

- AS9100 Design and Manufacture of Occupant Restraint Systems for Aerospace, Defence, Industrial and Automotive applications
- ISO17025, Mil-Std-810G and FIA Test and Evaluation services
- Extreme Data Acquisition and High Speed Imagery services
- Simulation of product performance and destructive testing
- Approved supplier to Boeing Defence Australia and BAE USA

- BAE Ground Vehicle and Aviation Seating Supplier of the Year 2020 and 2022
- EasiGrip Patent for G.S.E. and Industrial Equipment Restraints
- Cinch Locking Tongue Patent for Automotive and Industrial equipment restraints
- NATA ISO17025 Accreditation
- DISP Accreditation, CMMC
- AS9100D Quality Management System
- BSI Benchmark Product Certification
 AS/NZ 2596
- BSI Benchmark Product Certification
 AS/NZ 1754

Arkeus



Simon Olsen | CEO | +61 468 368 084 | simon.olsen@arkeus.com | arkeus.com

Arkeus accelerates decision making through the fusion of optics and autonomy. Our wide-area, autonomous, optical search and surveillance systems are optimised for conducting a range of missions including ISR, border protection, city size surveillance, force protection, counter terrorism, illegal activity monitoring or search and rescue. Operating across land, sea and space domains, Arkeus' systems specialise in extracting critical intelligence disseminating that data in challenging or contested environments.

Product and Services

- Hyperspectral Optical Radar (HSOR)
- Expendable Imaging Sensor (ELMO)
- Optical Terminal Guidance (OTG)
- HeliSAR Optical Radar

Key Customers and Partners

- Royal Australian Air Force
- Royal Australian Navy
- Royal Australian Air Force, Plan Jericho
- Australian Special Forces
- Global defence and aerospace Companies

Capabilities and Discriminators

- Autonomous detect and classify
- Small target detection
- Challenging environments

Awards and Certificates

• Data in a format consistent with relevant STANAG and MISB standard

Australian Precision Technologies / Hosico Engineering Group



Adam Sutton | Business Development Manager | +613 9709 6014 | +61 416 111 867 | adam.s@aptengineering.com | aptengineering.com | hosico.com.au

APT and Hosico are Victorian advanced manufacturing businesses producing high quality precision metal and plastic components and turn key assembled products for customers in mission critical industries, including defence, aerospace, medical and mining.

Product and Services

- CNC Milling
- CNC Turning
- Injection Moulding
- Aluminium Pressure Die Casting
- Assembly and Finishing

Key Customers and Partners

- Boeing
- Thales
- Kongsberg
- Varley
- Ferra Engineering

Capabilities and Discriminators

- Aerospace precision machining, plastic injection mouldings, castings, assembly and painting
- Boeing Commercial and Boeing Defence global supply chain participant
- Boeing Delegated Product Release Verification (DPRV) program approved supplier
- Extensive qualified and managed sub-tier supplier base
- Design/Development/Prototyping/ Testing Capability

- AS9100D
- DISP Membership
- Victorian Governor's Export Award 2020
- Victorian Manufacturing Hall of Fame 2015 Small Manufacturer of the Year
- Defence Industry Awards 2019 Manufacturer of the Year Finalist

AVT Australia



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AVT Australia is a leading supplier of lightweight, gyro-stabilised imaging systems for Intelligence, Surveillance, and Reconnaissance (ISR) and target acquisition operations. Recognised for our expertise in advanced engineering services, AVT Australia is a trusted supplier of imaging solutions for our Australian defence and international customers, with systems supporting operations in over 50 countries.

Product and Services

- CM62
- CM234
- CM262M
- CM202A
- CM142

Key Customers and Partners

- Insitu Pacific Ltd (Boeing)
- US DoD
- Defence Innovation Hub

Capabilities and Discriminators

- Multidisciplined, highly integrated
- Australian workforce of 50+ (including PhD qualified)
- Software, embedded systems, control systems, mechanical, electronics and machine learning work from one site in Melbourne
- In house FPGA, CMOS Sensor, and LWIR Sensor development
- In house object detection, and classification AI algorithm development
- 2,000+ sqm R&D, engineering and production facilities including:
- Optical and IR collimator, Class 4 Laser test facility, and scalable assembly lines
- Rapid product development to respond to sovereign capability gaps

- ISO 9001:2015 accredited quality management system
- DISP Membership level 2 enabling personnel clearance sponsorship (up to NV1)
- AAUS Industry Champion Innovation Technology Winner 2022, finalist 2019 and 2020
- Australian Defence Industry Innovator of the Year 2021 Finalist
- AMDA Avalon 2023 Innovation Awards shortlisted

POD 37

AW Bell



Jo Murtagh | Head of Sales and Marketing | +61 3 9799 9555 | +61 402 410 949 | jo@awbell.com.au | awbell.com.au

A.W. Bell is a proven manufacturer of metal cast machined components in an array of alloys including titanium and aluminium. Offering sand and investment casting, prototyping, precision machining, NDT, painting and assembly. We are a trusted aerospace and defence partner producing complex parts with high mechanical properties for customers globally.

Product and Services

- Casting Manufacture (Sand, Investment, Prototyping)
- Precision Machining
- NDT and Metrology
- Assembly

Key Customers and Partners

- Raytheon (RTX)
- Northrop Grumman
- Pratt and Whitney
- BAE Systems
- Lockheed Martin
- Boeing

Capabilities and Discriminators

- Experts in Castings (Investment and Sand Casting)
- Experts in Precision Machining of Castings and/or from Billet
- Bespoke Materials including Titanium
- High Vertical Integration
- Customer-focused

- Aerospace AS9100
- Environment ISO14001
- NADCAP Certified (Welding and NDT)
- 2024 Northrop Grumman Strategic Supplier Excellence Award
- 2023 Victorian Governor Export Award Manufacturing and
- Advanced Materials Award
- 2021 Australian Exporter of the Year Manufacturing and Materials
- 2021 Victorian Governor's Manufacturing Exporter of the Year Award
- 2019 Victorian Manufacturing Hall of Fame Award

POD 11

Bodd

Robert Fisher | CEO | +61 415 304 052 | rob.fisher@bodd.io | bodd.io

Bodd revolutionises the defence uniforms, apparel, airline and wellness sectors with state-of-the-art full body 3D scanners and precision body scanning technology. Powered by Bosch hardware, Bodd's 3D body scanner machine captures rich biometric data across the entire human body to ensure a perfect fit, eradicate costs and reduce employee downtime.

Product and Services

- Comprehensive 3D Body Scanners to capture accurate data on defence populations
- Disruptive tool for rapid and accurate uniform sizing of large workforces
- Precise insights for Anthropometric Size & Shape data
- Health and wellness data including: Vitals signs (heart rate, standing blood pressure and more), Body composition, Posture analysis, and Mole screening

Key Customers and Partners

- United Airlines
- Disney
- NZDF
- NZ Police
- Fire Rescue Victoria
- SA Police
- Bosch Australia
- Deakin, Swinburne & RMIT

Capabilities and Discriminators

- Largest set of body insights in a 60 second scan
- Body, Head, Hand, and Foot, Anthropometric data
- Body vital signs and Composition
- Dynamic Posture assessment and Mole mapping

- All technology, both hardware and software Made in Australia
- IOT Alliance Australia Manufacturer Award
- NAUMD World's best Uniform Sizing Technology
- AFR's Australia's Most Innovative
 Company Award
- ISO27001 Information Security
 Management System

Conflux Technology

conflux

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Conflux is dedicated to advancing heat exchange technology through Additive Manufacturing (AM). Heat exchangers are crucial, versatile components used in Aviation, Aerospace and Defence, ensuring optimal performance and efficiency of machines by managing thermal energy transfer. Their effective design is essential for reliable and sustainable machine operation. Our AM heat exchangers deliver higher performance and better efficiency in lighter, smaller packages over traditional manufacturing.

Product and Services

- Gas-Liquid
- Liquid-Liquid
- Gas-Gas
- Coldplate/Heatsink

Key Customers and Partners

- Kawasaki
- Odys Aviation
- RFA Rocket Factory
- General Atomics Aeronautical
- ANSTO

- Design
- Thermal Simulation
- Testing
- AM quality certification
- Research and Development

Defence Science Institute



Craig Butler | Engagement Manager | +61 435 755 692 | craig.butler@defencescienceinstitute.com | defencescienceinstitute.com

DSI actively engages the Australian science and technology community, building defence science research networks, and assembling multidisciplinary teams including defence scientists and engineers and researchers from industry and the academic community. It aims to be a primary source for facilitating R&D connections that fosters a globally engaged, competitive and innovative defence and national security sector.

Products

- Maintaining intelligence on Victorian and Tasmanian academic capabilities
- Assisting appropriate foreign governments and prime contractors to identify and collaborate with Victorian and Tasmanian academics
- Facilitating networking to share knowledge, match capabilities and foster collaboration and a common understanding of problems/requirements
- Assisting stakeholders to understand how to work with Australian defence, industry, governments and research organisations
- Identifying funding and investment sources to assist local innovation (local, international, public and private)

Key Customers and Partnerships

- Victorian and Tasmanian universities.
- Australian Department of Defence.
- Defence prime contractors and Tier 2 suppliers.
- Victorian State Government.
- Victorian and Tasmanian technology small to medium enterprises, microbusinesses.
- Anyone who is capable of / wishing to supply the Australian Department of Defence with innovative ideas.

- We have no vested interest in intellectual property or in a financia-stake in any collaboration we help to establish
- We are staffed by staff from the stakeholders we represent
- Our Advisory Board and stakeholders comprise recognised leaders from industry, universities and the Defence Science and Technology Group (DSTG)
- We have unparalleled access to universities, Defence / DSTG and industry
- We have unparalleled knowledge of the collective capabilities of the Victorian and Tasmanian university sectors
- We act without self-interest as a true and honest broker for Victorian and Tasmanian universities, DSTG and industry

DHDS – Deep Hole Drilling Specialists



Michael Hallett | Managing Director | +613 9462 6777 | +61 419 518 376 | Michael@dhds.com.au | dhds.com.au

We are a premier engineering company specializing in precision Deep Hole Drilling technologies such as Gun Drilling and BTA drilling systems. Our services are tailored to meet the rigorous demands of the Aviation, Aerospace, and Defence sectors, delivering exceptional accuracy, efficiency, and reliability. Our commitment to innovation ensures we exceed industry standards and support critical projects in these sectors with unmatched technical expertise and dedication.

Product and Services

- Deep Hole Drilling Services
- Fabrication
- Large CNC Machining (X4000.Y2000.Z1500.)

Key Customers and Partners

- Marand Precision Engineering
- CEA
- DSTG
- RONSON
- ROSBANK Engineering

- 11 dedicated deep hole drilling machines (5 CNC) Hold diameters from 2-160
- Large CNC milling

Diamond Defence



Steven Trpkovski | Managing Director | +613 9000 5680 | +61 488 004 781 | steven@d-d.com.au | diamond-defence.com

Diamond Defence is a 100% Australian-owned and operated technology company, specialising in design, manufacture and integration of fibre-optic, electrical and hybrid cable harness systems and assemblies. We specialise in custom solutions for the defence, aerospace, telecommunications and other harsh environment applications. Diamond Defence is the only sovereign Australian company that is AS9100D certified for fibre-optic and hybrid cable assemblies along with fibre-optic training. Diamond Defence utilises the latest manufacturing technologies and invests in R&D programs in fibre-optic sensors for electronic warfare applications.

Product and Services

- Design and manufacture of MIL-STD, COTS and proprietary cable assemblies
- Grade A optical connectors to IEC 61000 Standard
- MIL and ABS-approved cable design and manufacture
- Fibre-optic communications infrastructure, including enclosures, panels, racks, FOBOTs and in-situ connectivity solutions
- Fibre-optic training for technicians and engineers

Key Customers and Partners

- Leonardo Defence Australia
- Rheinmetall Defence Australia
- SAAB
- Boeing Defence Australia
- Australian Submarine Corporation
- NBN Co

Capabilities and Discriminators

- Interconnectivity design services (standalone cable assemblies through to end-to-end systems)
- Only Australian manufacturer certified to AS9100D for fibre-optic and copper cable assemblies
- OEM vendor agnostic manufacturing technology; work with all MIL-STD, COTS and proprietary connectors
- Local design, rapid prototyping and manufacturing enabling short delivery times of customer defined solutions
- Through-life support of products

- AS9100D
- ISO 9001:2015
- DISP Membership
- IPC/WHMA-A-620D
- \$3.2M ASCA Funding Emerging and Disruptive Technologies Program
- \$450K Australian Research Council Grant

Dovetail Electric Aviation



Doral David | CEO and Co-Founder | +61 490 114 160 | david@dovetail.aero Andrea Garcia | Creative Marketing and Business Operations | +61 494 313 359 | andrea@dovetail.aero | dovetail.aero

Dovetail Electric Aviation converts conventional aircraft into electric models using batteries and hydrogen fuel cells, targeting zero-emission commercial aviation. Dovetail's retrofitting solution offers a sustainable alternative with 40% lower operational costs, enabling short regional flights and connecting secondary cities without the need for new infrastructure. By certifying and distributing emission-free propulsion systems, Dovetail aims to commercialize electric aircraft within three years, revolutionizing regional air travel and contributing to the aviation industry's net-zero emissions goal by 2050. Additionally, Dovetail commercializes electric propulsion and battery systems for commercial and defence aviation applications.

Product and Services

- Aircraft retrofit
- Dovepower
- Dovepack Battery Solutions for aviation
- Hydrogen Systems
- DoveXai

Key Customers and Partners

- Sydney Seaplanes
- Scandinavian Seaplanes
- Skydiving Voss
- Monte
- Air Nostrum
- Aciturri
- UNSW
- RMIT

Capabilities and Discriminators

- Zero emissions commercial air transport
- Strong Market Demand
- Rapid Market Entry
- Reduced Costs

- Best Innovation of the Year at the Australian Aviation Awards in 2024
- Dovetail's CEO was included in the 2024 list of Australia's 100 top energy players by The Australian
- Top 5 Tech Innovator 2024 by KPMG in Australia
- Start-up of the Year award at the Australian Aviation Awards in 2023
- One of the 100 Deep Climate Tech 2023 start-ups in Australia and New Zealand by Cicada Innovations

Falcon UAV



Luke Weekley | Owner/Director | +61 456 538 510 | +61 414 650 648 | luke@falconuav.com.au | falconuav.com.au

Falcon UAV are a dual-purpose distributor, training office and service provider of Drones, Sensors and Photogrammatery softwares serving Commercial and Defence industries. Falcon are the Australian certified regional partners to a number of international US DoD Blue listed companies providing enabling domestic industry with international capability.

| • | Product and Services Sensors Software and Training | • ADF | Capabilities and Discriminators Certified and approved operators Training Formal distributors of international capability | Awards and Certificates ReOc accredited RePL accredited |
|---|--|-------|--|---|
| | | | | |

Flying Whales Australia



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FLYING WHALES, a French-Canadian company (public and private shareholders), is developing a unique air cargo solution: a 60-tonne large-capacity airship with a minimal environmental footprint. Backed by a consortium of 50 top aeronautical partners, the airship can load large cargo in stationary flight. It serves diverse sectors, including energy, construction, forestry, industry, disaster response, etc.

Product and Services

• LCA60T airship

Key Customers and Partners

- Honeywell
- Pratt & Whitney
- Thales
- Safran
- Total Energies Renewables
- Bolloré Logistics

- 60-tonne payload
- Point-to-point air transport
- No need to land
- Sustainable transport

Formero



Craig Alexander | Marketing Specialist | +613 8899 7280 | c.alexander@formero.com.au | formero.com.au

Australia's leading provider of 3D Printing, Additive Manufacturing and Traditional Manufacturing Services for the Aviation, Aerospace, and Defence sectors. Our expertise and advanced technologies make us a dependable partner for realizing innovative concepts with exceptional quality. At Formero, we deliver high-quality parts through close client collaboration, fast turnaround times, and tailored solutions that meet our customers' unique needs.

Product and Services

- 3D Printing
- Injection Moulding
- CNC Machining
- Metal Stamping
- Vacuum Casting

Key Customers and Partners

- Thales
- Free Space Operations
- C2 Robotics
- Rheinmetall
- Gilmore Space

Capabilities and Discriminators

High and Low Volume Manufacturing

HP Aviation Hoses



Jamie Hughes | Director | +613 5428 4846 | +61 477 743 774 | jamie.hughes@hpaviationhoses.com.au | hpaviationhoses.com.au

HP Aviation Hoses manufactures aviation certified Stratoflex fluid conveyance hoses and distribute parts across the Parker/Meggitt portfolio. HP are recognised as an Australian Sovereign Capability Business producing certified "Australian Made" land, sea and air application hoses. Supplied and built with the highest level of safety and mission ready Aerospace standards.

The region's fluid conveyance experts. When mission success is everything, experience counts. HP Delivers the right parts right on Time.

Product and Services

- Fluid Convayance Hoses Assemblies for Defence, Fire Fighting, Medical Evacuation, Agriculture, Business Aviation and Civil Aviation
- Fluid Conveyance Quick Disconnects
- Re-Fuelling Nozzles and Airport Fuel infrastructure
- Aviation Anti Vibration Mounts
- Specialised Materials (Seals)

Key Customers and Partners

- Boeing
- Raytheon
- GippsAero
- RFDS
- CareFlight

Capabilities and Discriminators

- Australian Made
- Sovereign Capability Business
- Experienced Staff
- Industry Experts

- Parker Hannifin, Stratoflex FAA TSO Charter Certified
- CASA ATSO Part 21.0 Certified
- Certified Australian Made

Integra Systems



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Integra Systems is a distinguished Australian-owned business, specialising in industrial product design, engineering, and advanced metal-based manufacturing. Integra is renowned for its agile approach and commitment to excellence, championing fully digitised production, Industry 4.0 and circular economy principles. Integra is passionate about helping companies propel forward in their digitisation journeys with their innovation, the Integra K4.0 Kiosk, enabling fully digitised, secure operations within the defence sector.

Product and Services

- Sheet Metal Manufacturing
- Product Design
- Engineering
- Industry 4.0 Solutions
- Ergonomic Office Solutions

Key Customers and Partners

- Mercedes Benz
- Thales
- BAE Systems
- Hanwha
- Sutton Tools
- APT Engineering
- Cablex

Capabilities and Discriminators

- Product Design
- Advanced Manufacturing
- Prototyping
- Integrated Solutions
- Co-located Design and Manufacturing

- Medium Manufacturer of the Year Finalist – Victorian Manufacturing Hall of Fame 2024
- Leaders in Manufacturing Finalist Victorian Manufacturing Hall of Fame 2024
- Top 50 Most Innovative Manufacturers Australian Manufacturing Forum 2024
- Induction into the Victorian Manufacturing Hall of Fame 2023
- Workforce Skills Development Award – Victorian Manufacturing Hall of Fame 2023
- Engineering Design Award: K4.0 Kiosk – Good Design Awards 2023

Latrobe Aerospace Technology Precinct



Bruce Connolly | Manager, Economic Investment and Transition | +61 408 979 455 | bruce.connolly@latrobe.vic.gov.au | latrobe.vic.gov.au

The Latrobe Aerospace Technology Precinct is Victoria's Integrated Advanced Air Mobility Ecosystem. It is located at the Latrobe Regional Airport, two hours from the Melbourne CBD. The Precinct provides support for test and evaluation activities, support with CASA documentation (SORA), a 'launchpad' for start-ups, research and development facilities, office spaces and presentation areas.

Product and Services

- Areas for research and development activities
- Facilities to support test and evaluation activities
- Flexible working spaces
- Offices and presentation facilities
- Areas for commercial and manufacturing

Key Customers and Partners

- Nova Systems
- Swinburne University of Technology
- Dovetail Australia
- Eyre Strategic
- Invest Victoria

- Council owned facilities
- Onsite support/expertise
- Certified aerodrome
- Large industrial facility

LEAP Australia



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LEAP's dedicated team of engineers and technology experts help to support local aerospace and defence companies to adopt cutting-edge computer-aided engineering software that helps optimise the performance of critical equipment using simulation: structural, fatigue, thermal, aerodynamics, antenna placement, electromagnetic interference; internet of things, digital twins; augmented reality for training, service and maintenance; engineering calculations; and product lifecycle management and documentation.

Product and Services

- Ansys Structures
- Ansys Fluids
- Ansys Electromagnetics
- PTC Creo
- PTC Windchill
- PTC Vuforia

Key Customers and Partners

- Ansys
- PTC
 - BAE Systems
 - Lockheed Martin
- Thales

• DSTG

Capabilities and Discriminators

- Largest local support team of simulation and CAD/PLM specialists in Australia
- Expert team supporting Ansys simulation software
- Expert team supporting the implementation of the PTC Windchill PLM

- Ansys Elite Channel Partner
- Ansys Customer Satisfaction Award (APAC)
- PTC Platinum Partner

Lindo



Robert Gangi | CEO | 1300 613 688 | +61 402 359 400 | robert.gangi@lindo.au | lindo.au

Lindo provides advanced engineering solutions for the Aviation, Aerospace, and Defence sectors, including antimicrobial blue light systems that disinfect surfaces and air. Designed for defence, commercial and aeromedical aviation platforms, our technology reduces risk, enhancing the health and well-being of warfighters, first responders, and aircraft operators. Coupled with our project management and systems integration expertise, Lindo ensures reliable, mission-ready solutions for critical environments.

Product and Services

- Lindo Light Dual purpose lighting system; Anti-microbial Blue Light and Tunable White light
- Air and Surface Disinfection
- Hudson BE Bandage Prolonged Field Care System
- Lindo Chamber Portable equipment disinfection chamber

Key Customers and Partners

- Mayo Clinic
- Victorian Department of Health
- Air Ambulance Victoria
- Honeywell
- Signify

Capabilities and Discriminators

- Innovative Disinfection Solutions
- Holistic Approach
- Industry Expertise
- Quality Assurance

- ISO 9001 / ISO 14001 / ISO 45001
- Safety Solution of 2023 (Lindo Chamber)
- Outstanding Start Up 2024 (Lindo Tube)

Li-S Energy



Dr Lee Finniear | CEO | +61 (0) 7 3054 4555 | info@lis.energy | lis.energy

Li-S Energy, based in Victoria, develops and manufactures lightweight, rechargeable lithium sulfur and lithium metal battery cells. By dramatically reducing cell weight per KWh, compared to lithium ion, our cells are ideal for applications like drones, electric aviation, and defence, where efficiency and weight are essential.

Product and Services

- Lithium sulfur batteries
- Lithium metal batteries
- Lithium foil

Key Customers and Partners

- MagniX
- V-TOL Aerospace
- Boeing InSitu
- Janus Electric
- HaloCell
- Security opportunity under NDA

Capabilities and Discriminators

- TRL 5, with over twice the energy density of li-ion batteries, lighter weight, cleaner and easier to recycle
- Lithium sulfur and Lithium Metal cells:
- ->400Wh/kg gravimetric energy density
- ->540Wh/l volumetric energy density
- 2MWh cell manufacturing capacity largest in AUS
- In house Test capability:
- Nail penetration and crush, Drop, Short circuit and overcharge,
- Temperature and high altitude, Vibration
- Advanced cell cyclers able to simulate cell loadings during specific mission profiles
- Automated systems for real-time, Al-based data harvesting, production and integration

- MIL-PRF-32383/4X nail penetration testing passed.
- BMS/QMS ISO9001 in progress
- Most Promising Future Technology Award
- SIM-PAC Sustainability Awards

МЕМКО



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MEMKO provides aerospace engineering and technology-based solutions to Defence, OEM's, Civil and Military Aircraft operators. Our team has extensive experience in aerospace product design, analysis, compliance assurance, testing, continuing airworthiness management, systems engineering, digital engineering and digital twins. In support of the Aerospace, Aviation and Defence customers MEMKO develops and delivers professional short courses in aerospace and technology.

Product and Services

- MEACAT (Modular Electronic Attack Capable Air Target)
- NIFTI (Non Intrusive Flight Test Instrumentation)
- Continued Airworthiness Management Services
- Aviation and Aerospace Training Courses
- Defence and Aerospace Consulting
- Digital Engineering and Manufacturing
- PLM software
- Research and Development
- Digital Transformation and Solution Consulting

Key Customers and Partners

- Boeing
- BAE Systems
- Dassault Systémes (Platinum Partner)
- Hyzon Motors
- Qantas and Jetstar Group
- RMIT
- Solomon Airlines
- UniSQ (iLAuNCH)
- Virgin Australia

Capabilities and Discriminators

- Breadth of Aviation Expertise
- CASA Part 21M
- Digital Engineering
- Digital Twin and MBSE
- Engineering Services
- Product Design
- Additive Manufacturing

- Silver Award in AuManufacturing's Top 50 Most Innovative Manufacturers 2024
- Finalist for Leader in Digital and Advanced Technologies for the Victorian Manufacturing Hall of Fame Awards 2023

NextAero Pty Ltd



Graham Bell | Director | +61 411 735 045 | graham.bell@nextaero.com.au | nextaero.com.au

NextAero is an Australian engineering firm specialising in the design, development, and testing of bespoke fluid systems. Working with high-pressure gases and liquids like hydrogen, oxygen, and liquid hydrocarbons, we support the Aviation, Aerospace, and Defence sectors. With expertise in complex projects, we deliver tailored systems and rigorous testing, ensuring high performance and safety in demanding environments. Our careful engineering delivers practical outcomes for customer projects across these industries.

Product and Services

- Fluid engineering
- Volatile testing
- Analysis
- System engineering
- Fabrication

Key Customers and Partners

- Hypersonix Launch Systems
- Rux Energy
- Amaero Engineering
- Australian Space Agency

Capabilities and Discriminators

- Pressure vessel design and registration
- Melbourne based
- In house test range

PowerJump



Lorna McLachlan | Managing Director | 1300 655 330 | +61 478 665 257 | lorna@powerjumptechnologies.com.au | powerjumptechnologies.com.au

PowerJump is the only electrical engineering technology specialist in Australia, staffed by seasoned ECAD experts. We partner with Zuken to deliver E3.series electrical design tools that enable complex wire harness designs to be created through to automated manufacture. We integrate with any mechanical CAD, we train in context of your work and provide peak engineering resources for guided migration that ensures rapid ROI. Our customers such as Rheinmetall, Hanwah, BAE, Lockheed Martin have achieved all their objectives and schedules and now look to PowerJump to harness and redeploy the accrued valuable IP into allied systems through customisation and companion tools. We can deliver comprehensive benchmark testing and guided evaluation systems.

Product and Services

- E3.series electrical design
- Certified Training
- Electrical [ECAD] contract services

Key Customers and Partners

- Rheinmetall
- BAE
- L3Harris
- Hanwha
- Lockheed Martin
- Innovaero

Capabilities and Discriminators

 Only CAD consultancy dedicated to electrical engineering/MCAD agnostic/ dominant supplier to defence

Quickstep Holdings



Luke Preston | Head of Engineering | +61 447 264 210 | lpreston@quickstep.com.au | quickstep.com.au

Quickstep Group is a defence aerospace company, supplying components to the F-35 and C-130 program, and the manufacture of drones to Australian drone companies such as Swoop and Carbonix. Quickstep have recently developed its own drone and delivery system.

Product and Services

- Drones, Engineering
- Composite components

Key Customers and Partners

- Lockheed Martin
- Northrop Gromann
- Swoop
- Carbonix

Capabilities and Discriminators

- Aerospace composites
- High volume composite manufacturing

- 4th in the Top 20 Defence Exporters SMEs and 32nd in the Top 40 Defence Contractors by <u>Australian Defence</u> <u>Magazine</u> Aerospace
- Business of the Year 2019 at the Defence Connect Australian Defence Industry Awards
- Defence Business of the Year 2018 by the My Optus Business Awards.
- Premier's New South Wales Export Award (2015 and 2018) – Manufacturing

R & I Instrument & Gear Co (Aust)



Andrew Rowell | General Manager | +61 3 9552 6565 | +61 412 694 544 | andrew@rigear.com.au | rigear.com.au

Established over 7 decades R&I has a history in Aerospace and Defence markets and is highly regarded as a quality supplier to many OEM's. Australian owned and co-located with Hardman Bros with almost 7,500m floor space in Melbourne's the South East. A diverse Capability able to service requirements for the Aerospace domain.

Product and Services

- Gear Cutting
- Gear Grinding
- Precision Machining
- Assembly
- Repair and Overhaul

Key Customers and Partners

- Trakka Corp
- EOS Defence
- Rheinmetall Defence Australia
- BAE Systems Australia
- AVT
- Reach Robotics
- Robot Systems
- Hermle
- Gleason
- DMG Mori and Star Micronics
- Sutton Tools

Capabilities and Discriminators

- Precision machining of complex parts and gear cutting specialists, managed within scope of AS9100D
- Diverse capability in CNC Gear cutting and Gear grinding; 5-Axis Simultaneous milling; Turning; CNC Cylindrical and Surface Grinding; Broaching and Slotting and fabrication including CNC bending and robot welding
- Ability to assemble complex precision sub-assemblies within scope of AS9110D
- Scope to perform Maintenance, Repair and overhaul work within AS9100D certification

- AS9100D
- ISO 9001:2015
- Current DISP membership
- JOSCAR member

Redline Engineering Pty Ltd



Ken Stuart | Director | +613 9580 0288 | +61 418 223 333 | kenstuart@redline.com.au | redline.com.au

Established in 1969, Redline Engineering are advanced manufacturers of precision machined components and assembly manufacture for Aviation/Aerospace, Defence, Medical, Energy, Rail/Transport and Mining. Diverse state-of-the-art CNC machining and CMM inspection capability with up to 24/7 manufacture, complimented by an extensive collaborative network of special process and finishing capabilities. Certified to ISO9001-2015 and AS9100D with finalisation of DISP certification expected by early 2025.

Product and Services

- CNC machined components
- Precision assemblies
- Special processes and finishing

Key Customers and Partners

- Alstom
- Australian Department of Defence
- CEA Technologies
- Hanwha
- Lockheed Martin Australia
- Mackay
- Varley Group
- Thales

Capabilities and Discriminators

- Multi axis CNC milling and turning
- Vibratory and bead blast finishing
- Precision assembly and testing
- 24/7 'lights out' manufacturing
- Industry 4.0 digital manufacturing
- Systems
- Extensive long term industry partners

- AS9100D/ISO 9001 accredited
- DISP accreditation pending

Ronson Gears



Gavin New | Managing Director | +613 9276 8900 | +61 400 958 722 | gavin.new@ronsongears.com.au | ronsongears.com.au

Ronson Gears is a highly innovative supplier of high end, high value gears and power transmission solutions. We manufacture precision gears, machined components and assemblies for Prime contractors across all Defence domains.

Ronson Gears, with its vast experience in Defence, is well placed to support numerous Land applications from drive transmissions to guidance mechanisms to powered wheel systems to turret systems.

Product and Services

- Guidance systems
- Powered wheel systems
- Turret systems
- Transmission gearing

Key Customers and Partners

- Lockheed Martin Space
- BAE Systems
- Marand

Capabilities and Discriminators

- CNC gear cutting and grinding
- Spur gears, helical gears, internal gears and splines
- Gear assemblies
- Over 20 years experience in Defence
- More than just a machine shop we are precision gear manufacturers
- AS9100 certified for 10+ years

- AS9100D Certified
- ISO9001:2015 Certified

Safesky



Dion Epstein | CEO | +613 9585 6110 | +61 403 274 784 | dion@safesky.com.au | safesky.com.au

Safesky Systems is 100% Australian owned and controlled, offering secure, AI-driven sUAS designed and manufactured in Australia. We use an additive modular design philosophy for innovative flexibility to meet rapid demands in sensor integration. Our customisable sUAS provide advanced capabilities for various applications. We have established operations in the US via our joint venture "Safesky USA".

Product and Services

- UAV
- FPV Drone
- VTOL

Key Customers and Partners

- Defence
- Law Enforcement
 - Disaster Relief
 - Search and Rescue

- **Capabilities and Discriminators**
- Defence
- Asset Inspection
- Mapping and Surveying
- Natural Resource Management

Stahl Metall



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Stahl Metall is Specialized in Engineering Design, Manufacture and Distributing of High Performance, High Reliability Cable Assembly, Electrical Control Systems, Interconnect Components, Enclosures and Custom Metalwork. Full 'Plug and Play' Electrical Systems, including fully loaded Cable assembly and Custom Enclosures / 19" Racking. Our products are known for their reliability, precision and resistance to demanding and harsh environments. Stahl Metall products are commonly used in fields requiring faultless quality, such as: Aerospace and Defence, Marine, Medical Equipment, Industrial Instrumentation, Measuring and testing devices, Broadcast, Telecommunication, Oil and Gas, and Subsea applications.

Product and Services

- Design and Manufacture of cable assemblies
- Custom enclosures and metalwork
- Aerospace Components

Key Customers and Partners

- Boeing Defence
- Orbital UAV
- Kongsberg Defence
- Hanwha Defence
- EOS Defence

Capabilities and Discriminators

- AS9100 Certified
- Vertically Integrated
- Proven track record in complex Defence platforms

- Victorian Manufacturing Hall of Fame Awards (2024) – Leader in Manufacturing
- Australian Defence Industry Awards (2024) – Technician of the year award

Sutton Tools



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Sutton Tools manufactures and supplies cutting tools to a broad spectrum of industries including aerospace, defence, medical, mining and general engineering. Our High Performance Solutions division, has been specifically created to deliver 100% of our customers' CNC machining needs, including standard and fast turnaround customised solutions for special applications.

Product and Services

- Carbide and high speed steel cutting tools
- DIN and ISO standard and special purpose taps
- Circular segment milling tools
- Extensive range of high-performance global brands to complement local production
- Industry 4.0 'Smart Enough Factory'
- SupplyPro inventory management systems

Key Customers and Partners

- APT
- Marand
- Hardman Brothers
- Ferra Group
- Defence Industry Advisory Services (DIAS)
- DMTC

Capabilities and Discriminators

- Australian made cutting tools sovereign capability
- Delivering advanced machining technologies
- Significantly enhancing the AIC value to industry partners (consumables)
- Advanced Carbide cutting tools for Defence and Aerospace developed in collaboration with DMTC
- Customised solutions with low MOQs
- SMART Manufacturing Centre (Melbourne)

- 1993 achieved ISO9001:2015 Certificate QEC1374 SAI GLOBAL
- ISO 45001:2018 OHSMS
- Victorian Manufacturing Hall of Fame Bill and Jim Sutton inducted 2010
- Victorian "Hall of Fame" Manufacturer of the year 2017
- Certified Australian Made manufacturer
- Registered member of Family Business Australia (FBA)

Titomic



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Titomic is revolutionising aerospace and defence using its patented cold spray additive manufacturing technology to enable new ways to manufacture, repair, and maintain critical components at scale. Leveraging advanced materials like titanium, Titomic delivers high-strength, corrosion-resistant parts and coatings, performs large-scale additive manufacturing, and enables rapid in-field repairs. This innovative approach reduces waste, cuts costs, and enhances durability, positioning Titomic as a key partner in mission-critical operations.

Product and Services

- Additive manufacturing
- Metal repair and coating systems
- Manufacturing engineering
- Complete range of cold spray systems

Key Customers and Partners

- Boeing
- Airbus
- Woodside Energy
- Rolls Royce
- Royal Australian Navy
- REPKON

Capabilities and Discriminators

- Large-scale titanium additive manufacturing
- Industry-leading build rates

- Awards and Certificates
- AS9100
- ISO 27001

Total Precision



Thomas Nathan | Managing Director | +613 9874 7811 | +61 403 009 455 | tom.nathan@total-precision.com.au | total-precision.com.au

Total Precision is a leader in precision-machined components with unparalleled accuracy. A wholly Australian owned, advanced manufacturer of high accuracy, complex componentry servicing aerospace, defence, medical, industrial machinery and related industries.

Operated independently, Total Precision forms part of a Tier 2 Group of Sovereign companies sharing common ownership with ANCA CNC Machines, ANCA Motion, Corvus Technology Solutions.

Product and Services

- Prototyping, Production and Sustainment
- Precision Component Manufacture and Assembly
- Component or complete product design using CAD/CAM software
- Actuator Componentry Hydraulic, pneumatic and servo-driven actuator componentry
- Precision housings bearing surfaces and high RPM rotating shafts
- Electrical Enclosures housings, and custom components
- Cylindrical bodies and motor casings (aluminium, steel and stainless steel)

Key Customers and Partners

- SPEE3D
- Corvus Technology Solutions (CTS)
- ANCA CNC Machines

Capabilities and Discriminators

- Rare combination of 5+ axis CNC Mills, Lathes and Grinding capabilities
- Flexible systems, seamless transition from prototype to high volume production with 60,000+ components shipped annually
- Large capacity with 20 CNC Grinding, Turning and Milling centres
- Wide array of materials from tooling steels and aluminiums through to exotic alloys
- Specialists in high precision linear and rotary actuator components
- Produce a range of high RPM rotating shafts and impellers
- High precision dynamic componentry and systems
- Post finishing of 3D printed near net shape components

- AS9100D (AU1848-QCM)
- ISO9001:2015

ZCG Scalar



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ZCG Scalar Antennas is a leading provider of high-performance antenna solutions for the Australian Defence sector. Specializing in the design, manufacture, and supply of rugged, reliable antennas, ZCG supports critical defence communications, passive radar, and signal operations across Land, Sea, Air and Space domains. Our commitment to quality and Australian-made products ensures trusted performance for military applications, enhancing operational capability and secure communications for defence missions.

Product and Services

- Antennas
- Filters
- Coaxial Cable
- Connectors
- Masts

Key Customers and Partners

- MT Data
- Remote Control Technologies
- Bureau of Meteorology
- Telstra

Capabilities and Discriminators

- Antenna design
- Custom engineering
- MIL-SPEC/rugged solutions
- RF consultancy
- Custom antenna design

Roving Exhibitors

Able Industries Engineering



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Able Industries Engineering Pty Ltd is 100% Australian owned and operated business and a trusted partner of Defence since 1975 providing metal fabrication, project management, and design engineering services. Able offer from precision prototype up to volume production fabrication, robotic welding automation solutions, APAS blast and painting, and component integration for Original Equipment and TLS applications.

ROVING EXHIBITOR

Bardex Corporation Australia



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Bardex provides world class innovative engineering designs, prototypes and manufactures equipment to solve industries heaviest lifting challenges. For over 300 projects for shipyards, ports, Defence, and large-scale energy industries, the Bardex mindset has always been to be a trusted, collaborative partner, with an impeccable safety and environmental record.

Bartlett Manufacturing



Matt Brown | Project Manager | +613 5339 3103 | matt@bartlett.net.au | bartlett.net.au

Family owned and operated in Ballarat, Bartlett Manufacturing is the domestic industry leader in the fabrication of Industrial Textile Products. Established in 1956, Bartlett works closely with Defence departments, supplying quality custom-made goods to suit military equipment. Bartlett Manufacturing supplies defence through contract partnerships and alliances with Prime, Sub-prime and SME suppliers.

ROVING EXHIBITOR

Copamate



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Copamate is an innovative engineering solutions company providing sustainable manufacturing across Australian industries, specialising in build-to-print and sustainment services under an ISO 9001-certified quality management system.

Copamate delivers excellence and reliability by manufacturing new products and offering sustainment solutions that meet the highest standards. We ensure reliable support for Australia's manufacturing sovereignty – delivering complete solutions including precision machining, fabrication, cutting-edge additive manufacturing, digital cold spray and polymer 3D printing and painting for defence clients, including QinetiQ.

Electric Motor Power



Hristos Matheou | Operations Manager | +61 3 9720 6366 | +61 405 811 867 | hristosm@emppl.com.au | emppl.com.au

Established 1989. Australian owned and operated. ISO9001 accredited.

EMP specialises in design and manufacture of DC motors across various sectors. Working with customers to understand specific projects and load profiles, thus creating bespoke motor solutions to solve for client specific challenges.

EMP has commenced development of drone motors with advanced materials for a sovereign and performance enhancing drone motor solution.

ROVING EXHIBITOR

EnerSys Australia



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EnerSys, the global leader in stored energy solutions, is the preferred battery partner for many industries, including Aerospace and Defence. Our batteries deliver a distinct power advantage for mission-critical applications, whether in the air, on land, or in space, addressing evolving energy challenges with unmatched reliability and performance.

Freespace Operations



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Freespace Operations Pty. Ltd. (FSO) is a sovereign Australian owned OEM specialising in industrial UAS and support systems designed and Manufactured in Melbourne.

Our flagship Callisto 50 drone is sold worldwide renowned for its performance, adaptability and reliability used with both commercial and defence customers including Australian Defence Forces.

ROVING EXHIBITOR

GPSat Systems Australia Pty Ltd



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GPSat Systems is a global technology leader in Mission-Critical PNT Applications and Precision 3D Geospatial Navigation for Defence, Government and Mining applications. Products include GRIFFIN which delivers unmatched performance in the detection of RF Interference. Comprehensive product offerings from NovAtel and Spirent ensure you have access to the most dependable, high-performance GNSS technology available.

Hargo Engineering



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Hargo is a precision CNC manufacturing company that manufactures complex components to extremely tight tolerances for customers in the global aerospace, defence, oil and gas, medical, automotive and security sectors. We are a specialist manufacturer of coupling nuts and connector shells for the global aerospace, defence and oil and gas sectors. Our components are manufactured to withstand extreme environments, incl. shock, vibration, temperature cycling, and foreign substances.

ROVING EXHIBITOR

Horsell



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Horsell is a 100% Australian, family and veteran-owned professional services business which assists buyers and sellers make better procurement decisions for the Defence sector. We offer Academy training in key specialities, Consulting services to enlighten teams and Technology applications for both specific and everyday business use.

Industry Capability Network (Victoria) Ltd



Lynn Johnson | Growth Sectors and Partnership Manager | +61 3 9864 6743 | +61 409 177 470 | ljohnson@icnvic.org.au | icn.org.au/icn_vic

ICN Victoria connects businesses to projects and networking opportunities to help local win.

Partnering with government to implement the Local Jobs First policy, ICN Victoria's role is to activate fair opportunity for Small and Medium Enterprises to compete for work on major projects.

ROVING EXHIBITOR

Infleqtion Australia



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As a leader in neutral atom technology, we build quantum sensors, computers and networks. With 18 years of pioneering quantum research, our hardware and software products and solutions address critical market needs in PNT, global communication security and efficiency (particularly in quantum based navigation technology, as well as radar applications in the aerospace and military industries), resilient energy distribution, and accelerated quantum computing. We leverage our global expertise and resources to push the boundaries. Our goal is to build sovereign quantum capabilities in Australia.

Ironside Resources



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With over 12 years of experience, Ironside Resources is Australia's leading veteran recruitment agency. Veteran-owned and operated and a social enterprise, we provide tailored labour hire and recruitment solutions to Australia's Defence, Civil Construction and Mining sector. We connect veterans and their families with new careers, and offer employers access to a reliable, highly skilled workforce.

ROVING EXHIBITOR

Jack Thompson Engineering



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Jack Thompson Engineering is a 100% Australian owned company, providing bespoke small to large engineering solutions. Our 3000 mt sq workshop is in Hastings Victoria with small CNC precision to heavy CNC and manual machining and fabrication capabilities that accommodate over 12 mt in machine length and over 100T in weight. Our second precision CNC machine shop is in Wodonga Victoria catering for our regional clients and machine production.

Kite Magnetics



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Kite Magnetics' Aeroperm is the first 2 Tesla ultra-low core loss nanocrystalline material, revolutionising electric motors for drones. With up to 10x lower core losses, it boosts efficiency and reduces cooling requirements, enabling drones to fly up to 25% further and carry more payloads on a single charge. We seek partnerships to advance electric aviation with cutting-edge technology tailored for high-performance drone applications.

ROVING EXHIBITOR

Laserchill Defence Australia Pty Ltd



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Laserchill is a highly innovative manufacturer of high-end, high-value defence-grade HVAC solutions. With over 30 years of experience, we specialise in power conditioning cooling, fluid cooling and bespoke HVAC systems for defence and industrial applications. We supply Prime customers, including CEA and Lockheed Martin.

Our cutting-edge technology and in-house engineering ensures reliable, mission-critical solutions for diverse and demanding environments.

Logistics Engineering Services

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Logistic Engineering Services (LES) provides consulting and professional services in Integrated Logistics and Product Support (ILS/IPS) for acquisition and sustainment. LES delivers expert solutions through experienced project managers, engineers, analysts, programmers, trainers, and technical personnel, addressing management, engineering, maintenance, logistics, and training needs.

ROVING EXHIBITOR

Mackay Australia

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Mackay Australia is a leading manufacturer of engineered rubber components encompassing design, development, manufacture and through-life support. The organisation is 100% Australian-owned, with 90+ years of local and international rubber experience. With the recent acquisition by Derwent Industries, Mackay's capabilities have expanded to include steel castings, machining, fabrication and automation. Products include, Guided Weapon Components, Rocket Motor Insulation, Signature Management Products, Track Systems.





MOTUM Simulation



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MOTUM produces world-leading simulation solutions through its proprietary hardware and software capabilities. The synthetic training environment MOTUM World is adaptable to any defence training scenarios; air, land or sea.

MOTUM's True Motion Simulator hardware provides the most realistic simulation experience at a cost and convenience unmatched by our competitors.

ROVING EXHIBITOR

NanoCube



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NanoCube specialises in developing smart materials and products that are lightweight, ultra-strong, durable, sustainable, and cost-effective. Our expertise lies in designing high-impact innovations, specifically tailored for the defence sector.

Nexus Training Solutions



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Nexus Training Solutions (NTS) is a specialist provider of training and advisory services to global military, focusing on comprehensive training efforts through the use of education technology.

ROVING EXHIBITOR

Phasor Quantum



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Phasor Quantum, a subsidiary of Phasor Innovation, is a Victorian SME comprising of highly experienced defence industry professionals and academic researchers from the University of Melbourne and RMIT University. Our team is developing cutting edge quantum sensors and algorithms based on diamond nitrogen vacancy (NV) technology to provide advanced magnetic surveillance, and GNSS-denied navigation solutions for the Australian Aviation, Aerospace and Defence sectors.

Platatac Australia



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Platatac has supplied uniform items, load carriage and support systems and a broad range of services and equipment to the ADF and other military and law enforcement entities for over 35 years. Our Australian corporate offices, design, prototyping and manufacturing is complemented by a manufacturing facility in Sri Lanka, providing a secure, reliable and dedicated logistical chain to supply our clients.

Our staff are experts in industrial design, operational policing and military specialists and we have in-house design and production / procurement capability for promotional material, unit designation and insignia. We are experts in artwork and aesthetics and have supplied over 1 million items (t-shirts, patches, caps etc) to military units over 25 years.

ROVING EXHIBITOR

Secure Hard Drive Destruction

Daniel Felice | Managing Director | +61 433 118 993 | 1300 018 326 | sdd.com.au



Secure Hard Drive Destruction PTY LTD is a DISP Level 3 Defence Member that offers end-to-end secure disposal services for commercial and classified ICT media and assets, including ITAR, weapons, sensitive government projects, and systems from decommissioned Defence vehicles. Complying with the highest security standards, SHDD ensures the safe destruction of sensitive materials for the aerospace and military sectors.

SOLSTAS



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SOLSTAS is Australia's leading information safety and security consultancy. Our expertise in data infrastructure, Cloud management, DevOps, digital transformation and cyber security spans two decades.

We are members of the Defence Industry Security Program, JOSCAR registered and pride ourselves on being masters in delivery; implementing future trends before you know they've arrived.

ROVING EXHIBITOR

SPEE3D



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SPEE3D, founded in 2014 by Byron Kennedy and Steven Camilleri, develops advanced mobile metal 3D printers using patented cold-spray technology. Designed for Defence, these printers enable rapid on-site production of critical metal parts in minutes, reducing downtime and improving operational readiness. SPEE3D's technology is trusted by Defence organizations worldwide, including the Australian Army, US Army, and British Army, with support from offices in Australia, the US, and Europe.

Spinner ANZ



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The SPINNER Group has been setting standards with its RF technology products for more than 75 years, thus leading the information age to even greater vitality. We have summarised our claim in one phrase:

HIGH FREQUENCY PERFORMANCE WORLDWIDE

ROVING EXHIBITOR

Tufwrap Australia



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Our specialised preservation, containment, and monitoring systems improve the safety of valuable assets during transport, storage, and remediation works.

Wellington Shire Council



Kirsten Power | Economic Development Officer – Defence & Renewable Energy | 1300 366 244 | +61 467 810 364 kirstenp@wellington.vic.gov.au | wellington.vic.gov.au

Local Government organisation based in the heart of Gippsland, "The Middle of Everywhere". Third largest municipality in Victoria, 10,924km2, 30+ townships. Owners and operators of West Sale Airport (YWSL), offering investment opportunities. Home of RAAF Base East Sale and the RAAF Roulettes. Strong, diverse economy and "open for business" culture.

ROVING EXHIBITOR

XponixAl

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Sharaf Goussous | CEO | +61 433 316 059 | sharaf.goussous@xponix.ai | xponix.ai

XponixAI delivers advanced AI solutions across education, business, and government sectors. It specialises in role-based simulated assessments, intelligent automation, NLP-powered virtual assistants, predictive analytics, AI tutors, and custom AI applications. XponixAI solutions enhance efficiency, decision-making, and innovation while ensuring seamless integration, ethical and secure AI practices, and ongoing support for organisations.

Zenith Group – Defence



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ZenithGroup are experienced manufacturers and suppliers within the defence and industrial supply chain and participate in Land, Aero-space and Maritime programs with Primes, Sub Primes, Tier 1 and Tier 2 enterprises.

ZenithGroup are collaboration experts whose strengths include reducing risk, project management, production versatility and much more.

defence.vic.gov.au

