



L3HARRIS™
FAST. FORWARD.

ELECTRONIC WARFARE
DESIGN AND MANUFACTURING
CENTRE OF EXCELLENCE







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As the defence industry demands more interconnected and interoperable technologies, L3Harris delivers innovative mission solutions that address customers' critical challenges across air, land, sea, space and cyber domains.

We think ahead and design technology to keep those on the world's most challenging front lines safe. Customers trust us to keep them prepared for what's next.

We combine speed, innovation and flawless execution to provide confidence and security in the world ahead. As we relentlessly pursue new ideas, we know that everything we bring to market must deliver, without fail, every time. The urgency of our quest is matched by our commitment to the people we serve.

In a world of ever-accelerating change, threat environments move fast. We move forward faster, delivering industry-leading value.



AUSTRALIAN TECHNOLOGY LEADER

L3Harris has provided leading-edge technology solutions to government and commercial customers across Australia for more than 25 years. Today, the company has facilities in major cities, including Brisbane, Melbourne, Canberra, Sydney, Perth and Adelaide – and employs around 520 professionals who understand the unique needs and challenges of customers in the region.

ELECTRONIC WARFARE CENTRE OF EXCELLENCE

Micreo is a Brisbane-based subsidiary of L3Harris, and the Centre of Excellence for Electronic Warfare (EW) in Australia. We provide design, manufacture, integration and sustainment of high-reliability EW components and subsystems using wideband radio frequency (RF) and photonic technology to detect, guide and protect in extreme operating environments.

We are a trusted partner to the Australian Department of Defence and an established exporter to global

defence primes, providing faster times to market and lower costs through the utilisation of revolutionary technology.

As part of an international organisation, our customers benefit from global technology and knowledge transfer both in to and out of Australia, ensuring best in class technologies for the Australian Defence Force (ADF) and our allies. Our national network enables us to provide in-country support services including system integration and sustainment.





SPEED. INNOVATION. EXCELLENCE.

L3Harris delivers mission solutions with speed, innovation and flawless execution. We relentlessly push ourselves forward to innovate tomorrow's technology today, driven by our customers urgent and mission critical requirements.

FROM SPECIFICATION TO PRODUCTION

L3Harris has the skills and facilities to design and produce high-volume, robust and reliable military- and aerospace-grade electronics hardware to meet customers' specifications.

The management of complex technical projects is second nature for our team. Detailed and staged design reviews, preparation and submission of supporting data packs and the execution of environmental qualification activities are integral processes in the service we provide.

ENGINEERING EXCELLENCE

Our team of professional engineers has a deep understanding of wideband RF design and manufacturing to customers' specifications. They cover a broad range of disciplines including RF, analogue, mechanical, software and production engineering, employing lean techniques to deliver high quality designs for manufacture.

FINE TUNED EFFICIENCY

We use advanced processes for production efficiency such as the Gain-Shaper, which allows automated, self-calibration of a system dependent on

environmental factors to achieve optimal performance.

ACCELERATED SCHEDULES WITHOUT COMPROMISE

We are experienced in supply chain management and production services, delivering the highest standard products in full and on time within compressed time frames without compromise in quality or traceability.

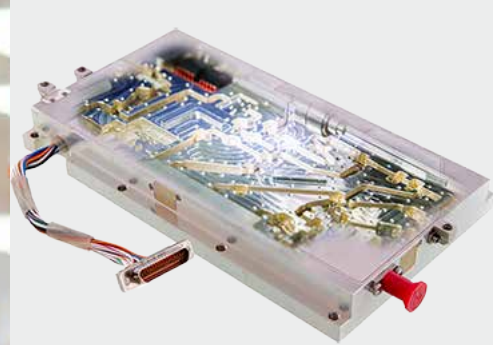


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MANUFACTURING AND SUSTAINMENT

We are experts in providing a complete solution from R&D to supply chain management, support, training and sustainment.

FLEXIBILITY AND AGILITY

At L3Harris, we have the skills and facilities to produce high volume aerospace- and military-grade electronics hardware to customers' specifications, enabling global defence system integrators to fulfill government contracts with robust and reliable Australian Industry Capability (AIC) components.

With an agile team and flexible factory set up, we have the capability to match your component and system manufacturing requirements, whether low or high volumes, or unique, one-off solutions.

QUALITY END-TO-END SOLUTIONS

L3Harris offers a complete end-to-end solution with professional management of complex projects from design, to procurement, to manufacturing and support. Our Brisbane facilities are fully certified with the AS9100D quality management system accreditation with no exclusions, underpinning our capability to manufacture high-reliability products to meet demanding aerospace standards.

We're experienced in supplying to international global supply chains, providing faster times to market and lower costs through utilisation of revolutionary technology.

TIME-CRITICAL MANUFACTURING

Since 2014, we've been a trusted, sovereign design and production partner to the Australian Department of Defence working on the REDWING counter-remote controlled improvised explosive device (RCIED) program to support the development, commercialisation and manufacture of life-saving force protection systems to equip mounted and dismounted forces.

Under the program, we've produced lightweight, hand-held C-RCIED devices, and vehicle-mounted systems, providing effective, low-cost solutions to protect against the threat of RCIED attacks.



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L3Harris' work on the REDWING program is an example of our best-in-breed manufacturing, with the expedient production of REDWING units demonstrating our ability to meet and surpass the challenge of high volume and time critical manufacturing.

To date, in excess of 185,000 life-saving REDWING devices have been produced and supplied to the REDWING program for Afghanistan National Defense and Security Forces (ANDSF).

INTEGRATION AND SUSTAINMENT

L3Harris is committed to delivering and sustaining the electronic missions systems for the ADF to stay a step ahead of current and future threats.

The L3Harris network in Australia provides in-country support for key Australian land, air and maritime programs including maintaining the ADF's SATCOM systems and sustaining world-leading night fighting equipment.

Our customers benefit from a global network providing local industry capability with Australian managed, designed and delivered solutions.



SPECTRUM SUPERIORITY

L3Harris' advanced capabilities span the electromagnetic spectrum. We deliver technology to operate, obstruct, observe and obscure, defending against threats, maintaining situational understanding and achieving spectrum dominance.

ELECTRONIC SUPPORT FOR RAPID THREAT DETECTION

L3Harris has many years experience engineering and producing specialist RF sub-assemblies for electronic support systems operating in extreme environments to enable rapid determination of threats and deployment of countermeasures.

To date, we've delivered over 3,000 RF sub-assemblies for military aircraft, supplying to Northrop Grumman USA, Raytheon USA and IAI Elta, Israel. These field-proven components are integrated into many different military aircraft across the globe.

ELECTRONIC SUPPORT COMPONENTS

Our complex multifunction RF sub-assemblies are integrated into:

- > AN/ALR-67(V)3 radar warning receiver – fitted to F/A-18 Superhornet
- > AN/ALR-69A radar warning receiver – fitted to F-16, KC-46 and C-130H aircraft

Other RF components:

- > ELINT receivers (millimetre-wave and triplex downconverter assemblies) fitted to the E-7A Wedgetail AEW&C aircraft
- > Specialist RF switch filter integrated

into the AN/APG-81 radar on the F-35 Lightning aircraft

ELECTRONIC ATTACK SYSTEMS TO DEFEAT COMPLEX THREATS

L3Harris has a long history in the design and manufacture of key capabilities and components for electronic attack systems, and is recognised as a sovereign leader in this field, working on a number of programs with the Commonwealth of Australia.

- > Signature generation systems
- > Jamming



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WARFIGHTER EFFECTIVENESS

L3Harris is an industry leader providing advanced solutions that deliver connectivity and security to today's warfighters. Our wide range of products and end-to-end solutions are integral to major and international modernisation efforts for complete mission effectiveness.

CUSTOM FIBRE-OPTIC LINKS

As experts in photonic technology, we provide further innovative solutions for EW platforms, SATCOM, antenna and radar systems and ranges that require low loss, long distance RF links in place of long coaxial cables.

Our highly customisable, wideband optical links provide low loss, enhanced EMC/EMI performance and SWaP with improved safety and security.

MISSILE GUIDANCE

L3Harris designs and produces advanced RF components for the surface-to-air Evolved Sea Sparrow Missile Blk 2.

This specialist component helps with effective targeting against advanced threats.

RUGGED ROBOTIC SYSTEMS

L3Harris' T4™ and T7™ robots provide top tier power, performance, and precision operation to support the demanding requirements of military and police missions, including hazardous materials (HAZMAT) clean-up, explosive ordnance disposal (EOD), police tactical response and ISR.

Designed in the US, the robots are being adapted by L3Harris for Australia, New Zealand and the APAC region with mission specific payloads and effects. All support and future developments for the region will be carried out at our Brisbane facilities.



OPERATING EXCELLENCE

L3Harris has advanced systems and processes in place to provide a high level of service and audit trails including an ERP system and electronic document access system to track details and time spent on every product. We employ Six Sigma and lean approaches to ensure production targets are achieved.

FACILITIES

- > Fully equipped production facility in Brisbane, Australia
- > Class 8 clean room facilities (1300 square metres)
- > Supply chain expertise and facilities for low and high volume manufacture
- > Set up for design-to-spec/build-to-print military-/aerospace-grade electronics hardware
- > Security cleared facilities and staff

QUALITY STANDARDS

- > AS9100D QMS requirements for aviation, space and defence organisations
- > ISO9001:2015 accredited
- > IPC-A-610 Class 3
- > IPC-J-STD-001 Class 3
- > MIL-STD-883

ACCREDITATIONS & AWARDS

- > Raytheon Preferred Supplier & Recipient of EPIC Supplier Excellence Award in 2020 and 2019
- > Northrop Grumman Approved Supplier
- > Australian Department of Industry Supplier Continuous Improvement Program (SCIP) – Gold Status
- > 2018 Richard Joel Award for Defence Industry – Premier of QLD Export Awards
- > 2015 DST Group Achievement Award



GET IN TOUCH:

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FAST. FORWARD.

Electronic Warfare Design and Manufacturing Centre of Excellence

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L3Harris Technologies is an agile global aerospace and defence technology innovator, delivering end-to-end solutions that meet customers' mission-critical needs. The company provides advanced defence and commercial technologies across air, land, sea, space and cyber domains.

NON-EXPORT CONTROLLED

