



# AIR6500

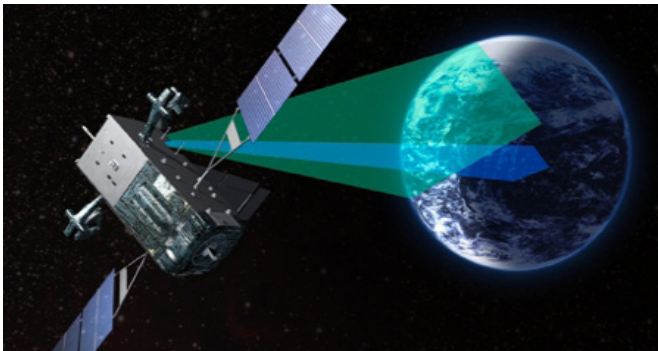
THE FUTURE OF AUSTRALIAN  
AIR AND MISSILE DEFENCE

**LOCKHEED MARTIN** 



# AIR6500

AIR6500 is the Royal Australian Air Force's (RAAF) program to develop a joint air battle management system that maximises the sensor capabilities offered by 5th Gen systems. AIR6500 will create a fully networked 'system-of-systems' that synchronises air and missile defence operations in joint and coalition environments, improving situational awareness and enhancing the speed of decision making in the joint engagement zone.



*"The supreme art of war is to subdue the enemy without fighting" – Sun Tzu*

*Lockheed Martin has a rich legacy integrating air, land, sea, space and cyber domains for governments around the world. From developing the enterprise system that directs flying operations for U.S. military forces to enabling the Missile Defence System to operate as a global network, we bring this experience to Australia.*

## INNOVATIVE LEADER

As the prime developer and systems integrator of the two most transformative 5th Gen assets on the global scene, the F-22 and the F-35, Lockheed Martin is most capable of developing this innovative system that achieves the Plan Jericho vision of a seamless, network-centric joint battlespace environment.

## C4ISR DOMAIN KNOWLEDGE

With unparalleled insight into the missions, sensor requirements and operational concepts required for the AIR6500 mission, Lockheed Martin is ready to deliver these advanced capabilities to the RAAF. We are continually evolving ways to reduce the "data to decision cycle" by developing sophisticated artificial intelligence products and machine-to-machine learning capabilities that automate the intelligence cycle and enhance real-time situational awareness.

## ENTERPRISE OPEN SYSTEMS ARCHITECTURE

Lockheed Martin has set the industry standard for vendor agnostic open architectures and cross domain solutions that enable multi-level data sharing. Leveraging this expertise, Lockheed Martin looks to create a software-centric modular architecture that can be scaled to meet any instantiation. This "plug-and-play" foundation allows for the cost-effective introduction of new capabilities that enables rapid response to future threats.



## INDUSTRY PARTICIPATION

Lockheed Martin Australia is committed to developing the long-term sovereign capability to support the Australian Defence Force's AIR6500 program. We are seeking industry experience and capabilities across the following areas:

## TECHNOLOGIES



**Command & Control (C2):** Automation, Decision Aids, Air Battle Management, Mission Planning, Electronic Warfare



**Cyber:** Multi-Level Security, Cross Domain Solution



**Data Integration:** Data Fusion, Data Analytics



**Active Sensors:** AESA Radar



**Passive Sensors:** SIGINT, COMINT, ELINT, ISR



**Training/LVC:** Scenario Generation and Assessment, Simulation for Training and Tactical Workshops

## INFRASTRUCTURE



**ICT Infrastructure:** Servers, Workstations, Virtualization, Storage, Cloud, WAN/LAN, Displays, Video Walls



**Comms:** Tactical Datalinks, Antenna, IP Network, Precision Navigation & Timing



**Energy:** Renewable Energy Solutions for Fixed and Mobile Platforms (Ops Centres, Comms, Sensors, Weapons)



**Environmental:** Products Compliant with Specified Standards

## SERVICES



**Engineering Services:** Ops Analysis, Modelling & Sim, Open Systems Architecture, Model-Based Systems Design, Software Engineering, Integration & Test



**Integrated Logistics Support:** Maintenance and Support of Project Capabilities Including All Assets and Systems

## COMMITTED TO A SOVEREIGN CAPABILITY

With connections to Australia that go back 70 years, Lockheed Martin is committed to the sovereignty of the Commonwealth. To bring leading edge concepts and technology to Australia, we are partnering with Australian and New Zealand Industry and R&D communities to support global supply chains, share

best practices and provide innovative possibilities for business growth. We will continue to work with industry, academia and government to create opportunities for technology transfer and grow the C4ISR skill base to add additional high tech jobs for a stronger, more secure Australia.



# Lockheed Martin. Your Mission is Ours.®

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For details on our C4ISR expertise, please visit:  
[www.lockheedmartin.com/C4ISR](http://www.lockheedmartin.com/C4ISR)

To register your interest as an industry partner:  
<https://Air6500.icn.org.au>

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