Why Australia's Defence Direction Matters to 4DS

30 October 2026

Australia's defence priorities are moving towards the technologies 4DS is now focused on: artificial intelligence, autonomous systems, and sovereign Australian technology. Here is what is changing, using public sources, and where 4DS and its Jenesys business fit.

READ THE REPORT

The Australian, Defence Report, 29 October 2026

READ OUR LATEST QUARTERLY

4DS September 2026 Quarterly Activities Report

This piece contains no new information about the Company's contracts, negotiations or finances. For the Company's current position, see the September 2026 Quarterly Activities Report.

What is changing in Australian defence

New priorities. The Government's 2026 Defence Innovation, Science and Technology Strategy lists artificial intelligence and autonomous systems among its six priorities. The 2026 Defence Industry Development Strategy names "development and integration of autonomous systems" and "battlespace awareness and management systems" among Australia's seven sovereign defence industrial priorities. It also expands grant support for small and medium Australian companies.

Lessons from current conflicts. Defence commentators point out that drones are now used in very large numbers, and treated as consumable rather than as a few expensive platforms. Where communications are jammed, uncrewed systems increasingly need to decide for themselves.

Sovereign capability. Commentators also note that Australia has no semiconductor foundry and relies on overseas supply chains for the electronics in drones and other systems. Sovereign capability in space and advanced technology is a growing focus.

AI + Autonomy
Named priorities in the 2026 Defence Innovation, Science and Technology Strategy

Direct match
Autonomous systems and battlespace awareness are named sovereign priorities

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Semiconductor foundries in Australia, according to industry commentary

These themes featured in The Australian's Defence Report on 29 October 2026, and are set out in the Government strategies listed below.

Where 4DS + Jenesys fits

Defence priority	What 4DS + Jenesys is developing
Autonomous systems	Jenesys edge-AI software that lets fleets of drones, robots and sensors coordinate without a central controller
AI and battlespace awareness	An AI layer that brings together information from multiple sensors, drones and high-altitude platforms. It either advises an operator or, where permitted, acts itself
Operating when communications are disrupted	Decisions are made on the device, so the software is designed to keep working when GPS or communications are jammed
Affordable systems in large numbers	Software designed to work across different hardware platforms
Sovereign technology	Australian-owned software, and 4DS's own ReRAM memory technology, protected by 34 US patents

4DS's ReRAM technology is at the memory cell stage. The Company is pursuing research into analogue in-memory computing (AIMC) as a long-term pathway to more efficient AI hardware. This is long-term research, and progress will be reported as each stage is reached.

What we are focusing on

Over the coming year, the Company's priorities are to:

- **align with Defence priorities**, presenting Jenesys in terms of the Government's published strategies
- **seek validation** of the technology through Australian Defence innovation and research pathways
- **advance our ReRAM memory technology** through research into analogue in-memory computing (AIMC), a long-term pathway to more efficient AI hardware
- **work with partners**, including platform makers, to integrate Jenesys into existing systems
- **use Government support programs** for which the Company is eligible, alongside its own funds
- **pursue opportunities in Australia and overseas**, including the Kingdom of Saudi Arabia as set out in the Quarterly, subject to export approvals

The Company will update the market on material developments in line with its continuous disclosure obligations, and will report progress each quarter.

Important information. This is general information about publicly available Government policy and industry commentary. It is not financial product advice and does not take into account any person's objectives or circumstances. It contains forward-looking statements about the Company's plans and focus areas. These involve risks, including technology development, customer adoption, funding and regulatory approvals, and actual outcomes may differ. The Company makes no assurance that it will receive any Government funding, validation or contract.

Sources

- 2026 Defence Innovation, Science and Technology Strategy (Department of Defence)
- 2026 Defence Industry Development Strategy (Department of Defence)
- The Australian, Defence Report, 29 October 2026
- 4DS Memory Limited, September 2026 Quarterly Activities Report