



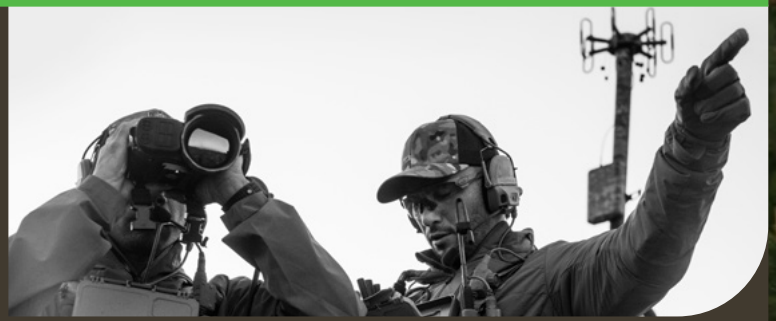
COMPANY OVERVIEW

Silentium Defence is a global leader in the design and deployment of passive radar systems for tactical and long-range surveillance.

Unlike active radar, passive radar uses existing radio frequency energy in the environment as its transmission source. This means it doesn't create a radiation hazard, doesn't require spectrum allocation to operate, and doesn't highlight the user's presence, remaining covert in operation. Faster, safer and more cost-effective to deploy, Silentium's passive radar products are a complimentary sensor that provides essential range and tracking data but won't compromise the mission or troop survivability.

From 'dark drones' to hypersonic missiles, Silentium's MAVERICK passive radars, designed and developed in Australia empower defence and commercial customers to 'see without being seen' from ground to low-earth-orbit, so they can protect what matters.

The only company in the world developing passive radar solutions for surveillance of sea, air, land, and space – Silentium Defence is a true high-growth Australian success story providing critical sovereign capability for our nation and its allies.



FAST FACTS

- Founded in 2017 by CEO and co-founder Dr James Palmer and Simon Palumbo
- The first spin-out company from Defence Science and Technology Group in more than twenty years, Silentium's products and services are based on more than 100 years' in-house collective experience in passive radar signal processing and algorithm design
- Headquartered in Adelaide, South Australia with staff in NSW, Victoria, and the USA
- Grown from a company of two to more than 70 high-skilled, high-tech employees across three facilities in just seven years
- Recently expanded its presence to the United States establishing Silentium Defense Corporation in Virginia and appointing co-founder Simon Palumbo, Executive Vice President
- Silentium Defence is a key strategic partner of major Defence programs including AIR6500, Australian Army programs for Counter-UAS and ISR and key maritime programs.



Key Customers and End Users

- Australian Defence Force (Army, Navy, and Air Force)
- United States Government
- International space companies and space data integrators
- Research organisations including Defence Science and Technology Group
- Commercial customers (tactical and long-range surveillance solutions).

MAVERICK Passive Radar Benefits at a Glance

- Silent, early warning of threats in the area of operations
- Multi domain surveillance capability (maritime surface, land, air, and space)
- Instantaneous hemispherical coverage and simultaneous target tracks
- Diverse target detection characteristics
- Increased resilience against EW threats and Global Navigation Satellite Systems denied environments
- 24/7 all weather covert surveillance
- Low power consumption, size, and cost of operation.



MAVERICK
Fortress



MAVERICK
M8



MAVERICK
OmniGuard



PRODUCT RANGE

Silentium's range of **MAVERICK Passive Radars for Defence** customers includes:

> MAVERICK M8

Lightweight, soldier-portable 2D passive radar for tactical surveillance (including self-protection, force protection, and C-UAS activities).

> MAVERICK Excalibur

For situations that demand increased sensitivity and accuracy across 3 dimensions (range, bearing and altitude).

> MAVERICK Fortress

A fixed-site or relocatable, cabin-based option for longer-term deployments. Can be purchased as either a Long Range (LR), dual-band (Dual), or 3D radar to deliver early warning, greater resilience, and greater custody of objects from initial detection through to target elimination. Applications include littoral surveillance, border protection, port protection and expeditionary force protection.

> MAVERICK OmniGuard

A low-power consumption, deployable 3D radar for long-range surveillance activities including IAMD, and space surveillance.

Silentium Defence's Commercial product line currently includes the 'MAVERICK C-16' 3D passive radar. A fixed-site or relocatable system that delivers 3D range, altitude, and azimuth accuracy, used for scenarios that demand high-fidelity detections, including Universal Traffic Management (UTM), and critical infrastructure protection.

In the space sector, Silentium Defence offers two product lines for sustainable, cost-effective, and strategic surveillance of space:

> MAVERICK OmniGuard

A low-power consumption, megawatt performance 3D radar for long-range surveillance of everything from ground to Low Earth Orbit (available in Compact, Classic and Ultra options).

> Silentium SpaceWatch

Real-time space-data-as-a-service piped to any operations centre or catalogue across the globe for instant updates on known and unknown RSOs in your area of interest.

Additional supporting products are Silentium's 'MAVERICK Performance Prediction and Simulation' tools which include the Mission Analysis Planning and Information Tool (MAPIT) used to determine the performance of the radar given a scenario with target type, altitude, receiver and illuminator location, and the Mission Simulation Tool (MERLIN) for passive radar integration testing, and live virtual constructive environment training.



Explore the future of enhanced air, land and sea surveillance today.

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