



AUSTRALIAN MADE - RF SOLUTION SPECIALISTS

CAPABILITIES

TRIED, TESTED AND TRUSTED RADIO FREQUENCY SOLUTIONS

ZCG Scalar is a leading Australian manufacturer of high performance antenna solutions, trusted by defence, aerospace, and critical industries worldwide. With decades of expertise, we design and engineer mission-ready RF solutions for air, land, sea and space applications. Our antennas ensure reliable communications in the most demanding environments. Committed to quality, innovation, and precision, ZCG Scalar delivers superior connectivity when failure is not an option. Engineered for excellence. Built for mission success.

PRODUCTS

- **Dismounted:** Infantry Communication Antennas
- **Mounted:** Mission-Ready RF for Defence Vehicles
- **Uncrewed:** Advanced RF for Autonomous Platforms
- **Fixed Base:** Optimised RF for Strategic Defence Bases
- HF-6GHz Wideband Antennas
- Custom RF Antennas
- Cellular & Mesh Network Antennas
- MIMO/MANET Compatible Antennas
- Versatile Multi-Mount Antennas
- Rapid-Deploy Telescopic Masts
- MIL-SPEC RF Filters
- RF Multicouplers
- MIL-SPEC Coaxial Cables
- High-Performance Connectors
- Custom Cable Solutions

SERVICES

- Coverage Prediction
- Planning and Modelling
- Antenna Simulation Technology
- RF System Constancy and Digital Design
- RF Safety and Risk Management
- Legacy Hardware Refurbishment

COMPANY OVERVIEW

- 55 Years Manufacturing Radio Frequency Solutions
- 100% Australian Owned Based in Regional Victoria
- 20+ Locally Skilled Employees
- In-House Engineering, Production, Warehouse and Dispatch facilities
- Expansive Multi-Industry Clientele
- ISO Accredited / AIDN Member

DISCRIMINATORS

PROVEN EXPERTISE AND END-TO-END SUPPORT

- Decades of experience in the design and manufacture of high-performance RF solutions, trusted by the defence industry for reliable, mission-critical communications.
- Specialists in antennas for air, land, sea and space domains, providing custom solutions to meet the unique needs of defence operations.
- Our products undergo rigorous testing and quality assurance to ensure they perform in the harshest environments and under the most demanding conditions.
- ZCG Scalar continuously invests in R&D to stay at the forefront of RF technology, delivering cutting edge solutions.
- From concept to deployment, we offer comprehensive support, ensuring our products integrate seamlessly with defence systems/platforms and operations.
- Australian manufacturer since 1970, ZCG Scalar supports local industries and provides rapid response times, ensuring a strong, dependable supply chain for the defence sector.
- ZCG boasts an excellent international shipping record, serving clients across Oceania, Southeast Asia, the Middle East, North America, South America, Europe, Africa, and even Antarctica.

KEY PARTNERSHIPS AND ACCREDITATIONS

Member of Australian Radio Communications Industry Association (A.R.C.I.A.)

Member of Industry Capability Network (I.C.N.)

Member of Australian Industry Group (A.I.G.)

Member of Australian Industry and Defence Network (A.I.D.N.)

Member of Victorian Defence & Space Network (V.D.S.N.)

JOSCAR-AU Registered

ISO accredited: ISO 9001 ; ISO 14001 & ISO 45001

CONTACT INFORMATION



Jamie Kelly - Operations Manager



+61 3 5157 1203
+61 494 034 981



jamiek@zcg.com.au



7 Hall Street, Lindenow
Victoria, Australia, 3865



zcg.com.au





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KEY DEFENCE PROJECTS

L3Harris – Project REDWING/SILVERSHIELD – 5 contracts, 2 versions, 213,000+ units delivered

Silentium Defence – Passive Radar Systems, R&D development, 800+ units delivered

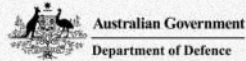
Barrett Communications – Supplied custom solutions, 600+ units delivered

Boeing Defence – Custom cable solutions & mesh connected systems

Cubic Defence – Bespoke antennas for military applications

Rocket Lab, New Zealand – Custom solution supplied & On-going support

BAE Systems – Air-to-ground asset communications antennas and custom cabling



IN-HOUSE DESIGN

IN-HOUSE R&D

IN-HOUSE CNC ENGINEERING

ON-SITE ASSEMBLY

ON-SITE TESTING FACILITY



RELIABLE COMMUNICATIONS ACROSS ALL DEFENCE FRONTS

LAND DOMAIN

Tactical communications, data transfer, and portable systems.

SEA DOMAIN

Durable marine antennas designed for long-wave communications.

AIR DOMAIN

Cutting-edge solutions for manned and un-manned aircraft/UAVs. Ground-to-air connectivity.

SPACE DOMAIN

Space asset tracking/monitoring and ground to satellite connectivity.