

COMPANY OVERVIEW

Matrix Composites & Engineering is a sovereign Australian manufacturer of advanced syntactic foam and engineered composite solutions, specialising in deep-sea buoyancy, acoustic systems, and structural composites for the defence, energy and resources sectors. Our head office, located in Henderson, Western Australia, is home to Australia's largest advanced composite manufacturing facility and the Southern Hemisphere's largest hyperbaric test chamber.



**25+
YEARS
EXPERIENCE**

**30+
EXPORT
MARKETS**

**WORLD #1
SYNTACTIC FOAM
MANUFACTURER**

**LARGEST HYPERBARIC
CHAMBER IN SOUTHERN
HEMISPHERE**

QUALITY ACCREDITATIONS & AWARDS

DISP | API 17L | ISO 9001 | ISO 14001 | ISO 45001 | Australian Trusted Trader |
Winner of the 2025 Export of the Year Award (Manufacturing & Advanced Materials)

KEY CUSTOMERS - DEFENCE



KEY PARTNERSHIPS - RESEARCH & CONSULTING



CAPABILITIES & PRODUCTS

Buoyancy

Pressure-rated UUV / AUV buoyancy and structures
ROV buoyancy
Deep-sea rated syntactic foam to 6,000m
Custom net-shape moulding - minimal machining

Acoustics

Tuned acoustic impedance
Underwater signature reduction
Anchoic / decoupling tiles

Structural Composites

Fibre reinforced composite laminates
Pressure housings and hull fairings
Lightweight structural panels

Protection and Testing

Shock & blast isolation
Impact energy absorption systems
Hyperbaric test services

WHY MATRIX - KEY DISCRIMINATORS

- Capability to manufacture syntactic foam structures at scale
- Large library of prequalified material systems
- Proven manufacturing capacity
- Exporting technology and products to more than 30 countries.

CONTACT DETAILS

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