

# Acacia Systems

## Company Overview

Supporting the Australian Defence Force since 1992, Acacia is a leading Australian defence software and systems engineering company engaged primarily in developing advanced Command and Control systems and tactical support applications.

The company maintains significant depth of skills in the areas of data fusion, tracking, sensor performance, data analysis and environmental mathematical modelling. Translating these into advanced deployed systems is achieved through the application of disciplined systems, software and hardware engineering practice.

Acacia is headquartered in Adelaide, South Australia with representatives in the the United States, the United Kingdom, Japan and the Middle East.

## Products

Acacia's core products Onyx, Cortex and Reflex support military operations across the sea, air and land domains.

### Onyx

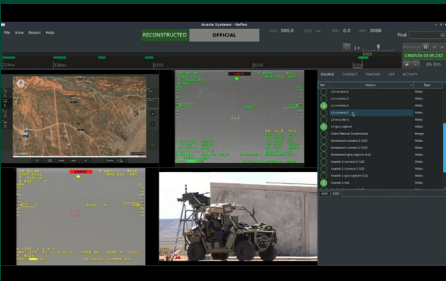
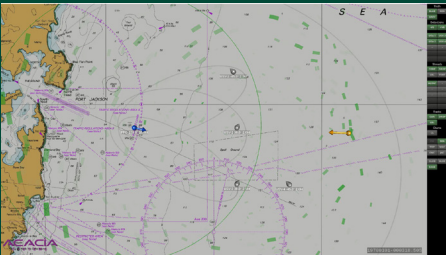
Onyx is an advanced undersea sensor data fusion platform which delivers full-state solutions (range, bearing, course and speed) by fusing data from multiple sensors and/or multiple platforms. Its advanced algorithms deliver increased probability and range of detection, more accurate tracking of targets and greatly reduced False Alarm Rate. Deploying Onyx across uncrewed surface vehicles delivers a cost effective persistent undersea surveillance capability, that has been developed in collaboration with the Royal Australian Navy.

### Cortex

Cortex is a Command and Control platform that has been developed to support operations across multiple domains. Cortex powers the mission management capability for Australian Maritime Safety Authority's (AMSA) four Challenger 604 jet aircraft and the Australian Border Force's fleet of DASH-8 aircraft and ground station. Cortex also underpins an advanced Counter UAS system developed in collaboration with the Australian Army.

### Reflex

Reflex is a Command decision analytics tool which captures, records and references all data both geospatially and temporally. The data can then be replayed either instantaneously or post-mission to reconstruct and analyse events and incidents for tactical development, operational analysis or training. Reflex has been deployed to Australian submarines.



## Discriminators

The Acacia products:

- Have been independently benchmarked by the Defence Science and Technology Group (Australia) and other international acquisition organisations as superior to products by major overseas competitors
- Are supported by a deep algorithmic pedigree, developed over decades of Research and Development investment
- Designed and delivered using an agile methodology that supports ongoing evolution of capability as the threat increases

## Availability and Support

- Acacia's products are typically TRL 8-9 with the software deployed in aircraft, crewed and uncrewed surface warships, submarines and army vehicles
- Acacia is able to support customers outside of Australia in the United States, Europe, the Middle East and Japan

## Key Customers

- |  |                                      |
|--|--------------------------------------|
| • Australian Defence Force                     | • United Kingdom Ministry of Defence |
| • Capability Acquisition and Sustainment Group | • Royal Netherlands Navy             |

## Key Partnerships

- |                   |  |
|-------------------|--|
| • Leidos          | • BAE Systems  |
| • Thales          | • Saab   |
| • Lockheed Martin | • Acacia's trading partner in Japan is Cornes Technologies |

## Quality Accreditations and Awards

- Acacia has been awarded the Defence Industry Security Program Level 2 (SECRET) certification (Australia)
- Acacia is an Australian Authorized User (AUK0001268) for the purposes of the exemption under §126.7 of the US International Traffic in Arms Regulations (ITAR) and is approved to access the License Free Environment

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