



SAAB

Saab Australia

Space Capability



Sovereign capability

We're a premier provider of

Command, Control, Computers,
Communication, Cyber, Intelligence,
Surveillance and Reconnaissance
(C5ISR) solutions

for the Australian Defence Force and
civil security community

Proven system integrator for
complex systems

Sovereign project
management and engineering
capability

Partner of choice for other
Prime and SME organisations
due to our teaming culture



SAAB

Proven expertise



System integrator and command and control/surveillance system developer

Highly capable technical teams and products complementary to the needs of the space community.



Communications systems provider

Capability to develop communications solutions



Expert in sensing data

Support the process of data fusion, situational awareness and data management



Expert in physical and cyber security

Security solutions and services to support space operations



SAAB

Proven expertise



Strong connections

Partner member of SmartSat Cooperative Research Centre

Industry associations, data user communities and research entities (DST/Universities)

Global reach back to Saab AB



Solution agnostic

Sovereign capability provider for Space community across the full spectrum of systems delivery and support

Independent system developer and integrator

Independent quality and technical governance



SAAB

Proven expertise



Independent technical capability

Utilised by both government and industry

Management, development, review and support of complex systems



Sovereign capabilities

Project management, engineering and technical support capability and services



Partner Member



Corporate Member



Sponsor

Space transferrable capabilities



Mission system development

Command and control solutions

Consoles

Human-machine interface

Satellite systems integration



Situational awareness

Communication integration

Payload/sensor integration – RF, EO etc.

Data fusion and management of sensing data



Cyber security

System cyber security and product assurance



Physical security

Space asset protection



Ground system sustainment and maintenance



SAAB

Space capability snapshot

Ground systems

Mission control
Intelligence, surveillance and reconnaissance (ISR)
Space Domain Awareness

Payloads

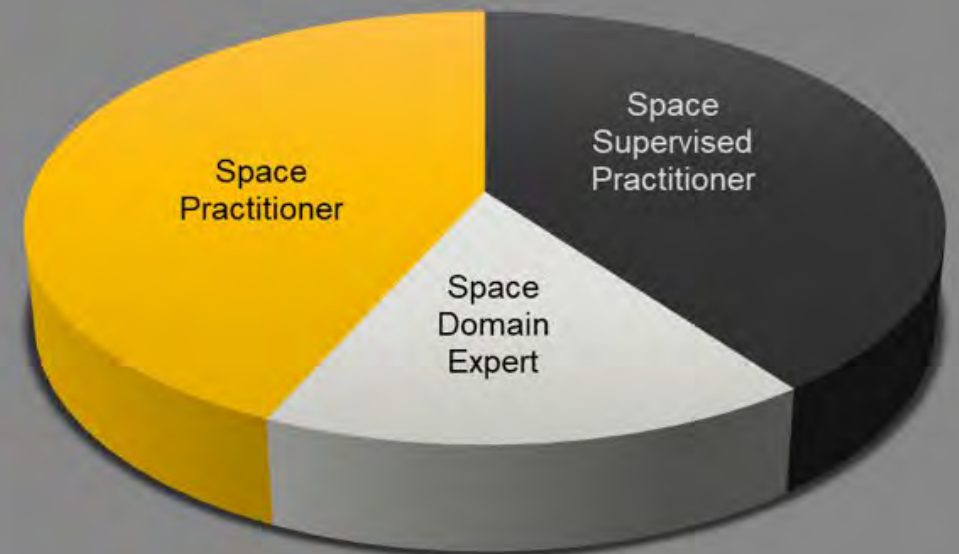
ISR
Communications

Space Vehicle Development

Operations and support

30+ team members with direct
Space domain experience

Saab Australia Space Domain Capability



Demonstrated sovereign performance

Mission control

Delivered a highly capable mission control solution exceeding customer scope and delivery expectations.

Developed a simulator to test the complete functionality of the mission control system ahead of satellite delivery.

Space Domain Awareness

Development of prototype software to aid improved detection and monitoring of objects in space.

Successfully delivered solutions in the Space domain by applying our sovereign capability and extensive experience in command and control systems development.



Saab AB Space activities



Development of Mimir's Well

Solution for satellite data fusion by AI/Machine Learning

Development by Saab Surveillance, Cyber Security



Space Surveillance Radar

Surface-based space surveillance radar for space surveillance, space debris monitoring, missile detection

Integration with Mimir's well



VDES CubeSat – Saab TransponderTech

VDES (VHF Data Exchange System) – new generation AIS

In-orbit demonstration: VDES payload 3U CubeSat, planned for launch planned for mid-2022

Partnership with AAC Clyde Space and Orbcomm