

# Our Global Expertise



## Company / Capability Overview

Nova Systems is Australia's largest privately-owned Defence company with a global presence as a leader in capability assurance and systems integration.

Nova Systems provides operational and engineering solutions to help clients solve their challenges in all Defence domains. Our people combine technical skills with an in-depth understanding of what is needed to deliver and sustain capability.

For more than two decades we have been a trusted partner to Defence. We are Australian leaders in Test & Evaluation (T&E), Certification and Systems Assurance, and incorporate the latest Digital Engineering tools and methods including modelling, simulation and digital twins.

## Partners & Projects

- Spacecraft assembly, integration, test and systems engineering supporting **Kanyini** Earth Observation mission.
- Ground station support to **SpIRIT** satellite.
- Hosting ground terminals for **Kongsberg Satellite Systems** and **Leaf Space**.
- Technical advisory for launch safety in **Australia, New Zealand and Norway**.
- On-site Range Safety compliance support for **NASA's first commercial site Sounding Rocket** campaigns.
- Represented clients **Fleet Space, Quasar Satellite Technologies** and **Skykraft** in international forums to secure spectrum licensing and spacecraft filing services.
- Collaborated with the **Australian National University, University of Wollongong, ANSTO, Saber Astronautics, Heavy Ion Accelerators** and **Steritech** to develop the **National Space Qualification Network**.
- Foundation partner to **SmartSat CRC** and **AROSE**.

W: [novasystems.com](https://novasystems.com)














E: [space@novasystems.com](mailto:space@novasystems.com)

## Lines of Business

Nova Systems has been a trusted advisor to Defence, industry, and government for more than 25 years.

We deliver core capabilities across: Defence (including Air, Land, Maritime, and Joint), Space and Command, Control, Communications, Computers, Intelligence, Surveillance, Reconnaissance, and Electronic Warfare (C4ISREW); Information and Cyber; and Essential Services.

### Our offerings include:

-  Test and Evaluation
-  Systems Integration
-  Digital Engineering
-  Space Safety & Mission Assurance
-  EMS Engineering Services
-  Ground Station as a Service
-  Software Development
-  Specialty Engineering (C4ISREW)
-  Project and Asset Management
-  Systems Safety and Certification
-  Capability Requirements Definition
-  Training
-  Geospatial Services

**1,600+**  
talented and  
dedicated  
professionals.

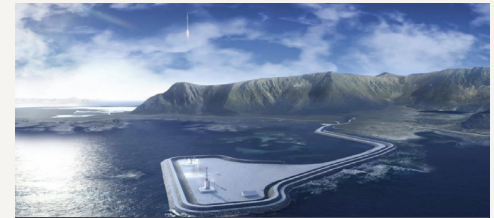
**\$17m+**  
invested into  
research &  
development in  
the last 5 years

**25** years  
Australian Defence  
Force partner

**500+** local supply  
chain partners

**\$400m+**  
contribution to the economy

**8,000+ hours**  
on Test & Evaluation (T&E) capability,  
training and practitioner development  
in the past 12 months



### Case Study: Regulating new commercial space operations

#### Challenge

In 2021, Norway sought expert support to regulate commercial space launches from Andøya Spaceport, including licensing and safety standards.

#### Solution

Nova's Australian Safety & Mission Assurance specialist collaborated with Norwegian colleagues to advise on risk, review technical data, and support flight safety, enabling Isar Aerospace's inaugural launch in March 2025. The partnership continues to build Norway's space safety capability.