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# Capability Statement

## Core Competencies

Integrated Detector Electronics AS (IDEAS) develops and delivers ASICs and systems for radiation detection and imaging in space and on ground.

- Experienced physicists.
- Integrated circuits design, including radiation hardened.
- Electronic system design.
- AIMT – assembly, integration, manufacture, and test
- Image sensor design.
- Gamma ray charged particle and neutron detection and spectroscopy.
- Radiation monitoring on satellites.
- Readout and control of cryogenic infrared image sensors.

## Past performance

**Space:** ASICs to more than 20 scientific space missions

**Customers:** NASA, ESA, JAXA, ISRO

**Terrestrial** Radiation detection systems:

**Customers:** DoE, UC Berkeley, UC San Francisco, University of Michigan

## Differentiators

- Experienced physicists.
- In depth knowledge of radiation interactions with matter.
- Radiation hard analog/mixed signal IC design.
- Radiation hard electronics systems design.

## Corporate

IDEAS was established in 1992 by scientists and engineers with backgrounds from the European Organization for Nuclear Research (CERN) and the University of Oslo

## Contact

Gjerdrums vei 19  
0484 Oslo, Norway  
sales@ideas.no  
[www.ideas.no](http://www.ideas.no)

