

NEWSPACE MARKET · COMPANY PROFILE



Eidel

Norway · founded 1966 · eidel.no

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as of 20 August 2026

Eidel

Eidel is a pioneering Norwegian electronics company with roots dating back to 1966, when founder Erik Eidsvoll established a satellite telemetry laboratory in his garage in Eidsvoll — delivering the first telemetry decoder to the Tromsø Telemetry Station in 1967. This marked the birth of what would become a national leader in space-grade instrumentation. Operating as Eidel AS, the company designs and delivers electronics, hardware, software, and instrumentation services for environments where reliability and precision are non-negotiable. Core capabilities span satellite payload integration, secure satellite communications, remote crypto key distribution, multi-needle Langmuir probes for space weather sensing, distributed data acquisition systems, and hardware-based encryption for defence applications. Eidel holds ISO 9001:2015 certification and NATO AQAP-2110 quality assurance accreditation — among the strictest standards for defence electronics. The company has been awarded the prestigious Gazelle award for five consecutive years. Fully owned by Molver AS since 2023, Eidel continues its tradition of innovation as a strategic technology partner to the Norwegian and international defence and space sectors.

This profile is generated from the live NewSpace Market catalogue. Specifications are as published by the manufacturer; every product links to a page where a request for quotation reaches the company directly.

SERVICES

Services

Assembly, Integration, and Testing (AIT) services Eidel provides planning, development, and implementation services for the assembly, integration, and testing of electronics subsystems and satellites, utilizing ISO certified cleanrooms and advanced t	Feasibility studies and requirement capture Eidel conducts feasibility studies and captures requirements across the full mission lifecycle, from purpose and scope to launch planning and operations.
Hardware and software evaluations Eidel performs comprehensive hardware and software evaluations to ensure system configurations meet specific customer requirements.	Mission design and development support Eidel provides expert support through the entire development cycle of space missions, from initial concept and prototyping to launch and life-cycle support.
R&D services Eidel delivers a wide range of R&D services tailored to customer needs, providing multidisciplinary expertise throughout the entire development cycle.	

Product catalogue



EIDEL

EIDEL Remote Interface Unit (ERIU)

Modular, high-performance interface unit bridging spacecraft buses and scientific payloads — SpaceWire/CAN/RS-422 support, FPGA hardware acceleration.

Interfaces supported	SpaceWire, CAN bus, RS-422
Processing	Dedicated FPGA hardware acceleration
Optional features	Encryption, on-board mass storage
Architecture	Modular, configurable analog/digital I/O channels

price on request



EIDEL

mNLP (multi-Needle Langmuir Probe)

The mNLP is a miniaturized, space-proven instrument designed to measure ionospheric plasma density with sub-meter resolution and an exceptionally high sampling frequency.

Sampling Rate	Up to 10 kHz.
Resolution	Sub-meter plasma scale.
Measurement Method	Multi-needle simultaneous sampling (no voltage sweep required).
Platforms	Sounding rockets, CubeSats, and research satellites.
Development	In collaboration with the University of Oslo (UiO).
Heritage	Extensive flight heritage on international space missions.

price on request



EIDEL

Secure Satellite Link (SSL)

Encryption system for secure ground-to-space, space-to-space, and ground-to-ground communications — AES-256-GCM/AEGIS-256, verified to NATO SECRET level.

Protection	CIK for CCI handling, tampering protection, AES-256-GCM and AEGIS-256
Cryptographic primitives	CTR-AES-256, ECIES-521, ECDSA-521
NCU dimensions	153x35.4x118mm, mass ~649g (±10%)
GCU dimensions	110x56x99mm, mass <1100g
Certification level	NATO SECRET

price on request

Contact Eidel

Open the company profile on NewSpace Market to see full specifications and datasheets, and to send a request for quotation that reaches the manufacturer directly.

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