

Consulting in space domain
Orbital systems
Launchers
Transversal competencies



Nova Cogito is a technology orchestrator dedicated to sovereign and high-performance solutions for New Space and Deep Space. We architect modular embedded systems and federate European consortiums to deliver next-generation avionics. Our model bridges the gap between disruptive innovation and industrial-grade reliability. Furthermore, we provide strategic advisory to space actors, focusing on technology, operations & business intelligence to foster the growth of the European space ecosystem.

COMPETENCIES & CAPABILITIES

Advanced Avionics & Embedded Computing: Architecture of modular, Software-Defined & critical HPC systems (ARINC 653, HAL). Edge AI, PNT solutions, RF/UWB & massive data/signals processing. Complex COTS integration & radiation mitigation strategies for space environments.

Industrial Orchestration & Management: International program management & sovereign consortium orchestration. AI-augmented engineering & industrial process automation (Sovereign AI).

Strategic Advisory & Operations: Technology & product roadmaps, Industrial & Supply Chain strategy. Business Intelligence, Due Diligence & Operational Excellence.

SUPERNOVA

High Performance SW-defined Low SWaP-C
Convergent Embedded Space System - A patented paradigm shift

Cutting-edge performance

Computing x20 to 100
System Latency $\div 10$ to 100
AI TOPS 30 to 100s
SWaP $\div 2$ to 10

More Resilient & Sustainable

MTBF* x 3 to 7
- In-mission reconfigurability
- Seamless redundancy

Breakthrough cost reduction

Full System, Integration & Evolution NRC $\div 2$ to 10
Reduced Launch costs & OpEx (SWaP + AI)

Accelerated deployment

Evolution & Integration
Lead Times $\div 2$ to 10



Solving the cost-complexity barrier of legacy space architectures

NOVA COGITO

NOVA COGITO SOLUTIONS

PRODUCTS & SERVICES

SUPERNOVA (Consortium-based): A sovereign, modular software defined embedded system for next-gen avionics. Based on a patented multi-mission AI-ready HPC convergent architecture, it delivers ultra-low latency and high computing power. Designed to overcome legacy bottlenecks: system complexity & versatility, high non-recurring costs, SWaP and integration lead times.

X-ACTIVE (Consortium-based): Specialized expert service for active radiation characterization of complex COTS components (SoC, FPGA). Comprehensive support from radiation testing and data analysis to component storage and mission-use guidance.

Technical services: Design of complex critical systems and co-R&D based on Nova Cogito's technological building blocks.

Strategic Consulting: Senior-level advisory in market intelligence, industrial structuring and operational excellence for the space ecosystem.

MAJOR SPACE PROJECTS & REFERENCES

Nova Cogito's foundation is built upon a founding team's track record of over two decades in aerospace product design and strategic leadership, having successfully delivered more than 60 programs. This industrial DNA ensures the company's ability to manage high-complexity projects from early-stage concept to mission-critical delivery.

Since its incorporation in December 2025, NOVA COGITO has established high-level strategic dialogues with major space agencies and companies.

The company's expertise is currently channeled through:

Consulting & Expert Services: Operational today.

X-ACTIVE: Available for immediate project integration.

SUPERNOVA: Under development. The evaluation and integration kits are scheduled for release in 2028.

POINT OF CONTACT

ADDRESS 12 rue Louis Renault 31130 Balma France

WEBSITE www.novacogito.com

PHONE +33 (0)6 18 46 90 66

POINT-OF-CONTACT: Jordi, MUNOZ-PONS, Founder & CEO,
contact@novacogito.com

TURNOVER N/A (in M€ / year), company launched in December 2025

WORK FORCE 1 employees (year), extended by industrial consortiums

SPACE TURNOVER N/A (in M€ / year), company launched in December 2025

SPACE WORK FORCE 1 employees (year), extended by industrial consortiums