

NEWSPACE MARKET · COMPANY PROFILE

numalis

numalis

founded 2015 · numalis.com

1

PRODUCTS

5

SERVICES

newspacemarket.com/companies/numalis/

as of 20 August 2026



numalis

Numalis provides services and solutions to transform AI projects into operational reality, focusing on formalized governance, certified competencies, and validated systems. The company offers structured AI governance, mapping and certification of AI competencies, and explainability and validation of AI model robustness. They contribute to international AI standards as active members of ISO/IEC and CEN-CENELEC. Numalis supports critical industries including Defense, Aeronautics & Space, Rail, Nuclear, and Banking & Insurance. In the Aeronautics & Space sector, they contribute to the certification of embedded AI and the validation of embedded machine learning systems on behalf of the European Union Aviation Safety Agency (EASA) in collaboration with Airbus Protect and LNE. The company's origins are rooted in enhancing the accuracy of critical avionic code and extending activities to the validation of artificial intelligence calculations, specifically proving the robustness and explainability of neural networks, with support from the French DGA (Ministry of Defence). Numalis leverages advanced mathematical techniques, including static code analysis via abstract interpretation, code synthesis, and abstract analysis. They develop new standards within ISO/IEC and CEN CENELEC committees for AI validation processes. The company was founded in 2015 by Arnault Ioualalen and Matthieu Martel.

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

Certification of AI Competencies

Numalis offers services to map AI knowledge, provide role-appropriate training, and certify key personnel according to AFNOR SPEC 2401 and Article 4 of the AI Act.

Certification of Embedded AI for Aeronautics & Space

Numalis contributes to the state of the art in validating embedded machine learning systems for the European Union Aviation Safety Agency (EASA).

Expert Guidance on AI Standards and Regulation

Numalis provides expert guidance and support to critical industries in operationalizing the European AI Regulation (AI Act) through active contribution to international standards.

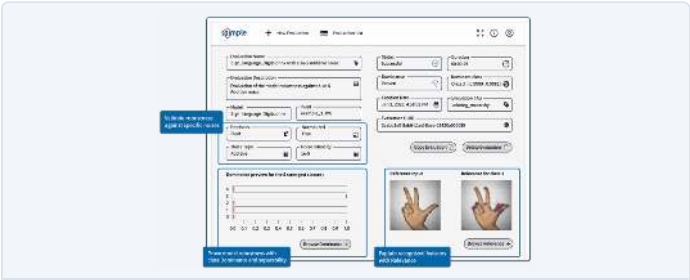
Structured AI Governance

Numalis helps organizations formalize their AI management systems, integrate them into existing Quality Management Systems (QMS), and prepare auditable documentation according to ISO 42001.

Validation of AI Model Robustness and Explainability

Numalis helps specify the operational domain for AI models, formally validate them according to ISO/IEC 24029-2, and produce explainability reports required by Article 15 of the AI Act.

Product catalogue



NUMALIS

SAAMPLE — AI Model Validation Platform

Static analyzer for AI model validation, explainability, and robustness — compliant with ISO/IEC 24029-2 and EU AI Act Articles 13 & 15. Available as SaaS or on-premises for cr

Standards compliance	ISO/IEC 24029-2, EU AI Act Articles 13 & 15
Validation method	Abstract interpretation (formal methods)
Model types	Neural networks, SVMs
Deployment modes	SaaS (web + API), On-premises, Educational
Target sectors	Aerospace, defense, nuclear, rail, banking
Applications	Image processing, predictive maintenance, data augmentation robustness

price on request

Contact numalis

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.

<https://newspacemarket.com/companies/numalis/>

<https://numalis.com>