

GAIA-X



# GAIA-X, for a new European data economy

**Engineering is a Day-1 member and one of three Italian companies with a member in the European Board of the project. The challenge is building a data infrastructure based on an open, transparent, and secure digital ecosystem.**

## What is it?

Gaia-X is an initiative by Europe for Europe aiming to build a unified and regulated ecosystem of Cloud services based on data spaces which will enable the management of all digitalisation processes.

## Objectives

To build a Cloud infrastructure and a data and applications ecosystem which enables Member States to fully exercise data sovereignty managing the entire digital transformation process.

## Opportunities

Based on existing standards and open source technology, GAIA-X aims to enable innovative, open, and coherent services of guaranteed quality, making their interoperability the fulcrum of a new European data economy.

## The Role of Engineering

**By joining the GAIA-X European Board, Engineering is furthering and expanding its commitment and strategic role in the development of a Data Space Economy, which utilises digital solutions based on the principles of data sovereignty and the highest security and interoperability standards to create new business opportunities in all sectors and promote innovation and digital transformation.**

*Technological evolution comes swiftly, and it is important for policy-makers to be able to keep up with it and interpret it. In the case of GAIA-X we've already witnessed, in terms of European policies, a growing focus to better understand its positioning and utilization, but now it is important for Member States to embrace the crucial importance of setting out common standards to improve the interoperability of data and solutions, by promoting the strengthening and widespread adoption of GAIA-X.*



**Orazio Viele**

CTO Engineering Group & Chairman of Engineering D.HUB

*We firmly believe that our participation in the GAIA-X initiative and our close involvement in IDSA, where we are making investments in terms of time and resources, will lead to the creation of a Data Space Economy, exploiting digital solutions based on the principles of data sovereignty and on the highest standards of safety and interoperability. This will enable our customers to enjoy new business opportunities in all sectors: from industrial to medical diagnostics, finance, public administration, energy, mobility, agriculture, to name but a few.*



**Dario Avallone**

R&D Director of Engineering

# Engineering on GAIA-X

## What are its values?

Today GAIA-X is at the forefront of a "data and infrastructure" based economy. Engineering has always faced technology with a "best fit" approach, developing its own solutions, integrating the best market solutions, and collaborating with its strategic partners to build new ones. This is why we are certain GAIA-X will provide our stakeholders with new and significant business opportunities, able to benefit from digital solutions based on Data Sovereignty, Security, and Interoperability.

## How is it beneficial for Europe?

The European Union is based on building a common ground for the economy, human rights, and development. GAIA-X will be the technology platform where these values can be brought to life. It is, however, essential that the Member States agree on common standards for data and solution interoperability, for which GAIA-X is an important facilitator. Only then can equal access to the new digital ecosystems built on cross-technology platforms and vertical business services be guaranteed.

## Will it last over time?

Absolutely. We are at the beginning of a new era, based on data and digital ecosystems that will be developed and applied on open technology platforms. This is why we believe in GAIA-X's value and are convinced that it will be an enduring project. We are investing time and money to sustain its growth because we believe it is the only chance to build a European Cloud.

## How will it contribute to the world of technology?

Technology will always be evolving. There's no way to stop it. We can, however, direct its growth and develop it to sustain some of the European Union's fundamental values, such as openness and accessibility. Rather than asking whether or not GAIA-X will improve the world, we should recognise the fact that there are many opportunities we simply cannot seize without GAIA-X, which could boost our economies and our society, allowing us to fully realise the potential and value of shared data across all markets, from manufacturing facilities to medical diagnosis.

## Research & Innovation

We invest in R&I to support the improvement of the whole organisation in increasing its competitiveness and fulfilling the needs of a changing market. We are among the most active research companies in EU, attracting funds from national & EU research programs.



40 Mil €  
Annual investment



250+  
Researchers



70+  
Live research projects



300+  
Research projects done

## Our Enabling Technologies



AI & Advanced Analytics



AR-MR-VR



Blockchain



Cloud



Cybersecurity



Digital Twin



IoT



Robotic Process Automation

## The World WE LIVE IN

- Augmented City
- Smart Transportation
- Smart Energy & Utilities
- Digital Media & Communication

## The World that LOOKS AFTER US

- Smart Government
- E-Health
- Digital Defense, Aerospace & Homeland Security

## The World WE WORK IN

- Digital Industry
- Digital Finance
- Digital Retail & Fashion
- Smart Agriculture

