European Manufacturing Data & Service Ecosystem

AMIDS, DIONE-X, ESCOM, EuProGigant and Flex4Res: Five research projects – one dynamic ecosystem! Supported by industry and research partners, we focus on specific goals, like strengthening supply chain resilience, enabling secure and multi-locational data sharing as well as connecting innovation partners. With the overall aim of creating a resilient, data-driven and sustainable ecosystem to regain and strengthen European leadership in the manufacturing industry.

AMIDS
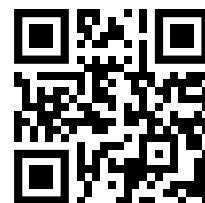Austrian Manufacturing Innovation Data Space

The Austrian Manufacturing Innovation Data Space (AMIDS) aims to enhance innovation through European data spaces and is a sustainable, low-threshold contact point for complex innovation projects.

In the projects "PilotLin-X" and "Research-Lin-X", the pilot factories of JKU Linz, TU Graz and TU Wien, along with various industrial and academic partners throughout Austria, will demonstrate the benefits of data spaces for innovation processes through examples like co-design, co-production and the digital product passport in the manufacturing domain.

The AMIDS association will make these findings accessible to the industry.

www.amids.at

Federal Ministry
Republic of Austria
Climate Action, Environment,
Energy, Mobility,
Innovation and Technology

FFG
Promoting Innovation.

DIONE-X

Open and secure data exchange along the entire process chain of the machining industry – this is the goal of the DIONE-X research project.

By building an efficient and secure data and service ecosystem based on the principles of Gaia-X, DIONE-X enables ecosystem participants not only to exchange data across companies but also to create new fields of application, including data-driven business models.

In three use cases, project partners from research and industry will develop standards and guidelines that are essential for building this value network.

dione-x.euprogigant.com

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ESCOM

The Edge Services for COMponents (ESCOM) research and innovation project focuses on balanced edge cloud environments for sovereign component service systems in the production environment.

The project both tests the advantages of edge computing in two industry-related application scenarios and illustrates the guiding principles of a Gaia-X-compliant data and service ecosystem.
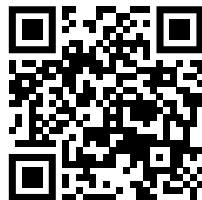
The framework of the two application scenarios is metalworking discrete manufacturing.

escom.euprogigant.com

EuPro Gigant

The Austrian-German Gaia-X lighthouse project EuProGigant stands for the vision of a smart, resilient and sustainable European manufacturing industry.

By March 2025, the project team will set up a multi-location, digitally networked production ecosystem. In interaction with Gaia-X, EuProGigant not only enables sovereign data management but also offers a new dimension in the analysis of the companies' own production processes by making cross-company data value chains describable in a multi-platform ecosystem.
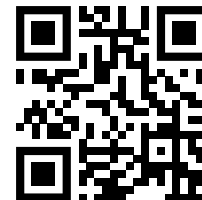
EuProGigant is also a member of the GEN-X network.

euprogigant.com

Flex4Res

The European research project Flex4Res aims to improve the resilience of production lines and supply chains in the European manufacturing industry.

An open platform based on the principles of Gaia-X and IDS technologies will enable secure and sovereign cross-company data exchange.

Combined with additional toolboxes for resilience assessment and reconfiguration planning, stakeholders across the supply chain will be enabled to manage different types of disruptions by reconfiguring supply chains and production lines quickly and efficiently.

www.flex4res.eu