metaFacturing

Data and **meta**data for advanced digitalization of manu**facturing** industrial lines.

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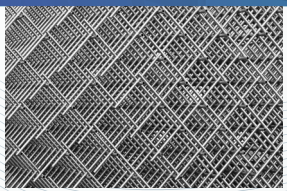

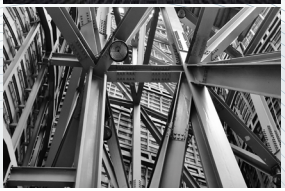

OBJECTIVES

Data and Metadata:

- Creation of a widely-applicable **Digital Twin based** process setup.
- Creation of a **digitized toolchain** for metal part production.
- Development of a **control framework** for diverse manufacturing integration.

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General Overview of the metaFacturing Project

MetaFacturing focuses on a digitized toolchain for metal part production which will lead to a more resilient **production process** with respect to the raw materials used (e.g., recycled materials), reduces operator effort and cost, and reduces scrap due to out-of-specification parts.

The **vision** is to create a widely applicable Digital Twin based process setup and control framework, fulfilling the requirements of industrial scale parts manufacturers whose central hurdle is the **effective** use of available part and process data to improve the time-to-market and product quality.

MARKET LEADERS

The MetaFacturing project brings together **six market leaders** (FRONIUS, NEMAK, FILL, VITRONIC, BENTELER and LTH) that closely cooperate in order to reach a **new level** of leadership in **sustainable manufacturing** while maintaining their respective market dominance.

3	13	7	5
DURATION (Years)	PARTNERS	WORK PACKAGES	COUNTRIES

KU LEUVEN · AIT · LTH Castings · Fronius · RISC Software GmbH · EWF · Ghent University · VITRONIC · Nemak · BENTELER makes it happen · ISQ · FILL YOUR FUTURE

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