Objectives

The z-fact0r solution comprises the introduction of five multi-stage production-based strategies:

- **z-DETECT** - the early detection of the defect,
- **z-PREDICT** - the prediction of the defect generation,
- **z-PREVENT** - the prevention of defect generation by recalibrating the production line, as well as defect propagation in later stages of the production,
- **z-REPAIR** - the reworking/remanufacturing of the product using additive and subtractive manufacturing techniques,
- **z-MANAGE** - the management of the aforementioned strategies through event modeling, key performance indicators monitoring and real-time decision support.

Partners

The z-fact0r Project involves a total of thirteen (13) EU-based partners, representing both industry and academia. They have wide experience in cutting-edge technologies and active presence in the EU manufacturing.

Visit our website!

http://www.z-fact0r.eu

“This project has received funding from the European Union’s Horizon 2020 research and innovation programme under grant agreement No 723906”
Project Overview

The z-fact0r project lasts 42 months (01-10-2016 to 31-03-2020) and is divided into four phases.

Phase 1: Technology generation and experimentation. It includes R&D activities for the development of z-fact0r subsystems and tests on technologies in laboratories.

Phase 2: Integration and validation of the technologies. The aim is to prepare the system for its validation as a full and integrated prototype.

Phase 3: Demonstration of the z-Fact0r results in the use-cases. The aim is to complete a z-fact0r prototype demonstration in the operating environments (TRL7).

Phase 4: Project Management and Dissemination, Exploitation, and Communication Activities that run during the whole duration of the project.

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