

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.



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European Union funding
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*Zero-defect manufacturing
strategies towards on-line
production management for
European factories*

<http://www.z-fact0r.eu>



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.

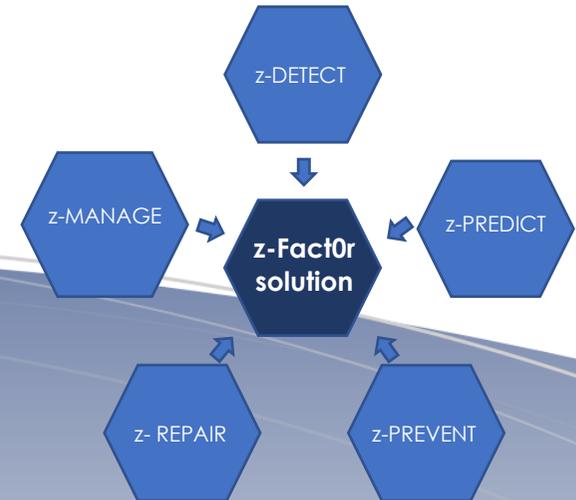
Phase 2: Integration and validation of the technologies. The aim is to prepare the system for its validation as a full and integrated prototype.

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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Basic elements of z-fact0r



z-fact0r Project involves **thirteen EU-based partners** with ample experience in cutting-edge technologies and active presence in the EU manufacturing. They come from several European countries



**Z-fact0r
Academic Workshops**

**18th of March 2020
Nicosia (Cyprus)**

You are invited!

<http://www.z-fact0r.eu>

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