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Ganderkesee, Germany



Zero Defects Manufacturing Platform (ZDMP)

European Excellence in Manufacturing through ZDMP Industry 4.0 Platform

The Zero Defects Manufacturing Platform (ZDMP) activity launched in Q1/2019 for 48 months with an investment of 19M€ provided by the 30 sponsoring companies and the European Commission. Its mission is to develop and establish a digital platform and related Apps for achieving excellence in manufacturing through zero defect processes and products.

Today, manufacturing industry is undergoing a substantial transformation termed Industry 4.0 and enabled through the proliferation of new digital solutions applied across the production process chain. As the phone propelled to the smart phone, ZDMP will propel the factory to the Smart Factory and to the Smart Zero-Defect factory.

Dr. Sven Abels, CEO of Ascora GmbH, stated: “Ascora GmbH will use the ZDMP results to strengthen its own product line and especially its focus on the Industry 4.0 domain. Ascora is developing a wide range of B2C and B2B solutions and currently expands its offers towards Industry 4.0 services like monitoring, defects management and Edge Cloud infrastructure. Also, Ascora is very optimistic towards a joined exploitation of the ZDMP Platform.”

ZDMP will validate itself in industrial demonstrators including Automotive, Machine Tools, Electronics, and Construction. These will show how enhanced cooperation between companies can avoid and reduce product and process defects along various supply chains. The sponsoring organisations will also release 3.2M€ during its course to additional partners, users and technology companies, to further enhance both the platform features and trigger the adoption of the platform on the market.

The ZDMP Project combines state of the art technological approaches based on commercial grade standard or open-source software with an open development approach and App store. It will focus on both process and product quality modules for pre-production, production, and post-production quality issues to ensure manufactures are enabled for zero defects.

The role of Ascora GmbH in ZDMP is handling distributed computing infrastructures, creating a cross-platform Software Development Kit (SDK) and bringing in its large experience in software engineering practices as well as project management while leading the largest work package in ZDMP.

In addition to Ascora, other partners of the joint H2020 project include the Research Center UNINOVA, Information Catalyst, Ford, Continental, Software AG, Mondragon Assembly, HSD, FIDIA, Formplast, Consugal, PT Mills, Flexeflina, CEI, AlfaTest, Ceteck, Video Systems, Ascora, Profactor, Softeco, Etxe-Tar, Ikerlan, ITI, and Rooter. These are assisted by the Polytechnic University of Valencia, Tampere University, and Southampton University as well as the German Standards Organisation DIN.

About ZDMP

The Zero Defect Manufacturing Platform project (ZDMP) was launched in Q1 2019 for 48 months with an investment of 19M€ provided by the 30 sponsoring companies and the European Commission. Partner companies and other information can be found at www.zdmp.eu. ZDMP is a Research and Innovation activity that emerged in response to a European Commission H2020 call on Industry 4.0 and Factories of the Future under grant agreement 825631. It is a Digital Manufacturing Platform to facilitate zero defect manufacturing in connected smart factories, including SMEs, and its aim is to further Europe's position in the manufacture of high-quality products.

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