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## ***Zero Defects Manufacturing Platform (ZDMP)***

*European Excellence in Manufacturing through ZDMP Industry 4.0 Platform*

The Zero Defects Manufacturing Platform (ZDMP) activity launched in January 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.

Stuart Campbell, CEO of Information Catalyst, based in Haslington near Crewe, and Manager of ZDMP stated: “ZDMP will ensure that European industry remains competitive and keeps its leading manufacturing position by producing high quality products at a low cost in the most efficient way”. Mr. Harald Schöning, Vice President Software AG, says that “ZDMP will leverage the power of the Industrial Internet of Things and of Artificial Intelligence to create an open, extensible, interoperable and elastic platform that can enable any European manufacturing company of any size to optimize its production and thus strengthen its position in the global market.”.

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 project is coordinated by Research Center UNINOVA and conceived and managed by SME Information Catalyst (ICE). As well as ICE and UNINOVA, other leading partners include: 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. Partners Martinrea Honsel, Siveco and ALONG are expected to shortly accede to the consortium.

## 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](http://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.

## About Information Catalyst (ICE)

Information Catalyst (ICE) is an innovative ICT SME operating in the domains of Software, Data, and Services with a specialism in Data Interoperability, Process Engineering, Data Analytics, and Digital Twins. ICE is based in Haslington near Crewe in the UK and has a subsidiary Information Catalyst SL in Spain. ICE has been involved in the research and commercial initiatives focusing on Digitisation, for example is highly active in programmes such as Eurostars, ITEA, FP7, and H2020 where in addition to ZDMP ICE has acquired itself, or been in the acquisition team, for R&D activity in Cyber/Security (REDAlert), Data Integration (CrowdHEALTH), extreme scale analytics (ELASTIC) and Lot Size 1 eFactory). ICE is long-term Board member of The European Technology Platform dedicated to Software, Services and Data – NESSI – where ICE represents the SME perspective. [www.informationcatalyst.com](http://www.informationcatalyst.com)

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