

## The game-changing zero-defect platform for European manufacturers

- OpenZDM initiative will demonstrate through five representative production lines an open platform realised for zero defect manufacturing.
- The platform will integrate advanced ICT solutions and non-destructive testing, setting the foundations for an innovative solution applicable to a large variety of industries.

**July 5<sup>th</sup>, 2022 (Brussels)** - The open platform for realizing zero defects in cyber-physical manufacturing (openZDM) initiative held its kick-off meeting on the 28<sup>th</sup> and 29<sup>th</sup> of June at BluePoint Brussels. The consortium formed by 20 industry leaders from 7 European countries (Portugal, Italy, Ireland, Luxemburg, Spain, The Netherlands, and Greece) held a two-day meeting where the project roadmap was presented.

The openZDM project aims to provide a solution for European manufacturers that delivers high-quality products, minimising waste, and energy consumption while maximising efficiency and return on investments.

Manufacturing solutions should provide an open collaboration platform that can further accelerate the creation of shared growth and innovation considering commissioning, control, maintenance, and zero-defect activities by allowing multiple stakeholders to be integrated and work together.

The project looks to provide a standard solution to support production networks' zero-defect processes, bringing together existing research and development and creating an innovative state-of-the-art integrated solution. Addressing one of the biggest challenges of the European manufacturing industry, delivering high-quality products at the necessary production rates.

The openZDM platform solution will be validated and demonstrated through five industrial pilots that will be executed by the end-users participating in the project in real-life operational conditions. Specific processes have been selected where there is a higher percentage of defects generated and a higher impact in terms of waste reduction.

The initiative, funded by the European Commission, brings together the key partners to tackle the great challenge of sustainable manufacturing, with the gravity of enabling zero-defect processes.

The consortium, coordinated by the Laboratory for Manufacturing Systems and Automation (LMS) from the University of Patras (Greece), includes representatives from software development and technology providers; research and development organizations; Industrial end-users; and outreach and ecosystem growth experts.

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