

KYKLOS 4.0 will facilitate the acceptance and utilization of the developed solutions by the market with:

- Efficient communication and dissemination strategy
- Ensuring compatibility and interoperability with what already exists in the market through standards
- Using the standardization system as a tool for dissemination of the project results and interaction with the market stakeholders

KYKLOS 4.0 Open Calls

KYKLOS 4.0 will organize two Open Calls to engage European SMEs in the design and implementation of highly innovative experiments/prototypes

Several events across Europe are expected to be implemented within the framework of the two Open Calls

Funding will be provided to projects led by small consortia (third parties) and targeting innovative concepts adhering to the larger objectives and vision of the KYKLOS 4.0 project

Who we are

The KYKLOS 4.0 Consortium is a well-balanced group of European organizations including research institutes, universities, SMEs, and large enterprises, with complementary expertise. The partners bring together a unique combination of technical-business skills and expertise necessary to form an effective and compact consortium



































































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KYKLOS 4.0

An Advanced Circular and Agile Manufacturing Ecosystem based on rapid reconfigurable manufacturing process and individualized consumer preferences



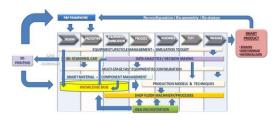
KYKLOS 4.0 Briefly

KYKLOS 4.0 aims at providing a Technology Ecosystem which creates and supports the configurations, methodologies, production techniques, decision and actions at all different levels and stages of the manufacturing value chain to achieve:

- Increased energy efficiency
- Decreased use of raw materials (second use of parts or materials)
- Customer-centricity
- On-demand manufacturing

KYKLOS 4.0 Circular Manufacturing Framework

KYKLOS 4.0 will deliver an advanced configuration variants' framework and state-of-the-art production paradigm, embedding key technologies into a unified platform Ecosystem to manage live product innovation



Meeting Industry 4.0 objectives:

Operational excellence

Mass customization and personalization
Increasing efficiency
Reducing waste
Boosting competitiveness

KYKLOS 4.0 Objectives

The following set of objectives are set, covering the project's scientific and technological aspects throughout its duration as well as the exploitation of the project's results after its end:



KYKLOS 4.0 Technology & Solutions

KYKLOS 4.0 technology involves a set of intelligent tools for real-time analytics & prediction, and recommendation systems, integrated into the KYKLOS 4.0 configuration environment



KYKLOS 4.0 Pilots

KYKLOS 4.0 will demonstrate the transformative effects that Circular Production System (CPS), Product Life Management (PLM), Life Cycle Analysis (LCA), Augmented Reality (AR) and Artificial Intelligence (AI) technologies and methodologies will have to the Circular Manufacturing framework

