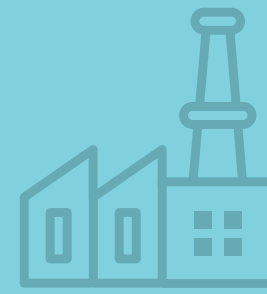


“ECO-innovative Energy FACTory Management System”

ECOFACT is a project through the EU Horizon 2020 Programme running from 2020-2024

The project is made up of 20 consortium members from several European countries



Enabling manufacturing industries to optimize the energy performance of their production systems in line with their relevant production constraints (time and resources)



Introducing a novel green marketing approach through the concept of energy and environmental signature of the manufactured products from a life-cycle

DEMONSTRATION CASES



FOOD



BEVERAGE



AUTOMOTIVE



WHITE GOODS

KEY ELEMENTS



Interoperability



Operations management



Energy aware manufacturing



Environment aware manufacturing



Overarching Component



Smart Data Collection by Smart Sensors and IIOT Networks



Industrial Digital Twin



Industrial Energy Disaggregation



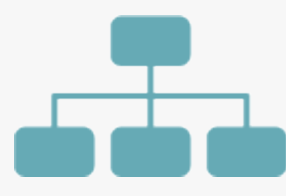
Dynamic LCA/LCCA



Holistic Decision Support System



Data Acquisition Layer for Edge Interoperability



Production Planning algorithms



Industrial Energy Flexibility



Supply Chain Collaboration



Cybersecurity Mechanism



EXPECTED IMPACTS

1

Energy consumption reduction for the improved production process of at least 25%

2

Life Cycle Cost reduction of at least 15%

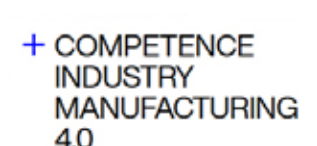
3

Improved environmental performance of the involved products

4

Development of standardised European energy-efficient best practices to overcome the barriers limiting their application in the manufacturing sectors

PARTNERS



www.ecofact-project.eu



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