

doing
MORE with **LESS** MAESTRI is creating concepts and tools capable to achieve the prosecution and adoption of energy and resource efficiency in production systems of any company (large, medium or small). Our project is developing a Management System (MS) to promote and simplify the implementation of the Total Efficiency Framework on a continuous basis. Developing and testing our MS and tools directly in 4 industries, we will guarantee concrete and tailor made results to companies that need to spend less and innovate their products and processes, maintaining high quality levels.

Industries have to innovate products and processes while managing more efficiently their resources and energy. The MAESTRI project will help you achieving those goals!



Contact us for more info: www.maestri-project.eu

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SPRE Sustainable Process Industry through Resource and Energy Efficiency



“ Industries should deliver competitively priced goods and services that satisfy human needs and bring quality of life, by finding progressively smarter and finer trade-offs between business and sustainability concerns. ”



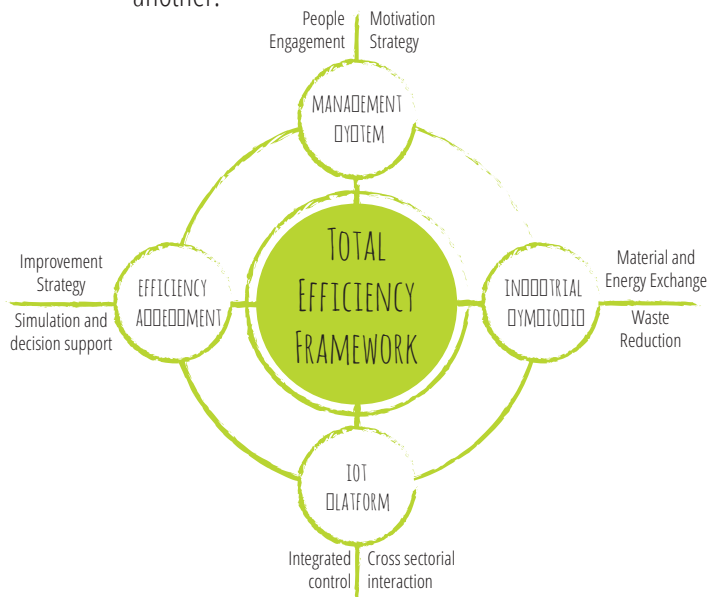


The MAESTRI project aims to advance the sustainability of European manufacturing and process industries. This is done by providing a management system in the form of a flexible and scalable platform, and to guide and simplify the implementation of an innovative approach, the Total Efficiency Framework. The overall aim of this framework is to encourage a culture of improvement within industries by assisting the decision-making process, supporting the development of improvement strategies and helping defining the priorities to improve the company's environmental and economic performance. Its development and validation will be achieved through application in four real industrial settings across a variety of activity sectors.

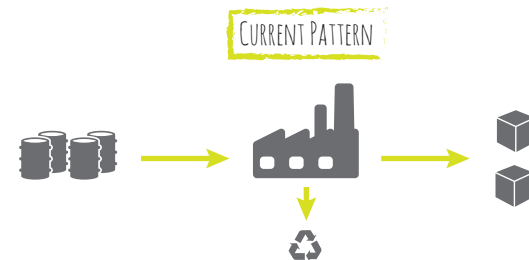
THE PROJECT

TOTAL EFFiciency framework

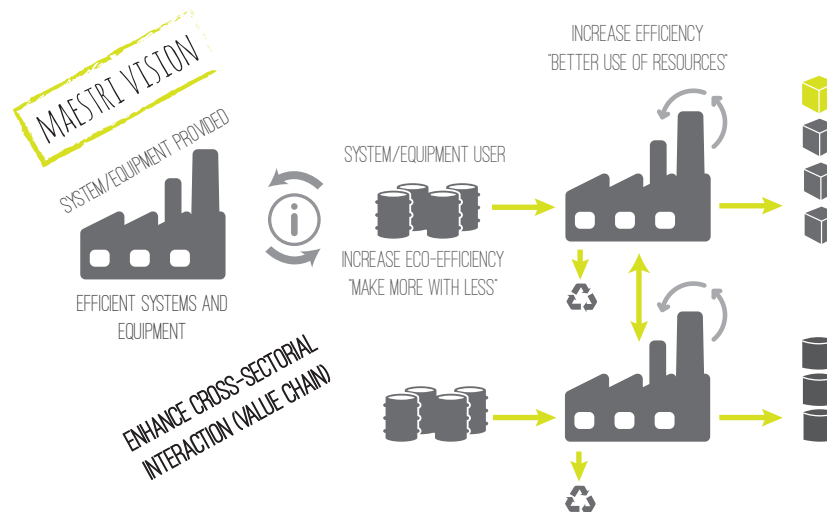
Life cycle perspective, centred on models for dynamic simulation and optimization, of both individual and complex systems, to better understand processes and the opportunities to add value. This life cycle approach avoid problems shifting from one life cycle stage to another.



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Our approach combines different assessment methods and tools, the overall purpose of the Framework is to generate improvement on a continuous basis and increase eco-competitiveness by fostering sustainability in routine operations.



4 main pillars of our project:

- 1 An effective management system targeted at process and continuous improvement
- 2 Efficiency assessment tools to define improvement and optimisation strategies and support decision-making processes
- 3 Integration with a toolkit for Industrial Symbiosis focusing on material and energy exchange
- 4 A software Platform, based on the Internet of Things (IoT), to simplify the concept implementation and ensure an integrated control of improvement process.