Energy and resource management systems for improved efficiency in the process industries.

• Start/end date: 1-Set-2015 / 31-Aug-2019
• Partners:

[Images of logos and text]
Project Case Study

1. The EU/ SPIRE needs

Use energy and resources more efficiently.
Reduce, prevent waste. **SPIRE goal:** A reduction in fossil energy intensity of up to 30% from current levels; Up to 20% reduction in non-renewable, primary raw material intensity.

2. The Project Solution

The MAESTRI platform will allow a holistic resource and energy efficiency assessment in processing industries.

3. Value to Customers

Customers will be able to assess the energy and resource efficiency of their processes and define improvement measures.

4. How will this happen?

The MAESTRI platform will be made available to industries either as a complete package or individual modules.
What are the **key expected sustainability impacts** of *Project MAESTRI*?

<table>
<thead>
<tr>
<th>Indicator</th>
<th>Baseline</th>
<th>Expected Impact</th>
</tr>
</thead>
<tbody>
<tr>
<td>Global Warming Potential (mainly CO2 emission reduction)*</td>
<td></td>
<td>Up to 20% reduction</td>
</tr>
<tr>
<td>Energy efficiency</td>
<td></td>
<td>Up to 20% increase</td>
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<tr>
<td>Resource efficiency</td>
<td>Implementation of the MAESTRI platform is underway in the 4 pilots</td>
<td>Up to 20% increase</td>
</tr>
<tr>
<td>Energy and resources costs</td>
<td></td>
<td>Expect over 20% for the pilot implementations</td>
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*Core SPIRE indicator
What outputs or learning from Project MAESTRI could have value for other SPIRE projects here?

• **MAESTRI Total Efficiency Framework**, an integrated framework for a holistic resource and energy efficiency assessment in processing industries.

• **Toolkit for Industrial Symbiosis (T4IS)** provides the first steps for companies to understand and approach industrial symbiosis.

• **Library of case studies on industrial symbiosis** providing examples of successful industrial symbiosis (and potentially failures) is available at the maestri-spire.eu website.

• **Open source database of waste** allowing the identification and promotion of potential inter-company and cross companies synergetic interactions.

• **Open Source IoT platform** to support process industries supplying sustainability management tools based on a Service oriented Architecture (SoA).
Wanna lead more efficiently?

....Let MAESTRI accompany you!
Contact

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