

KYKLOS 4.0

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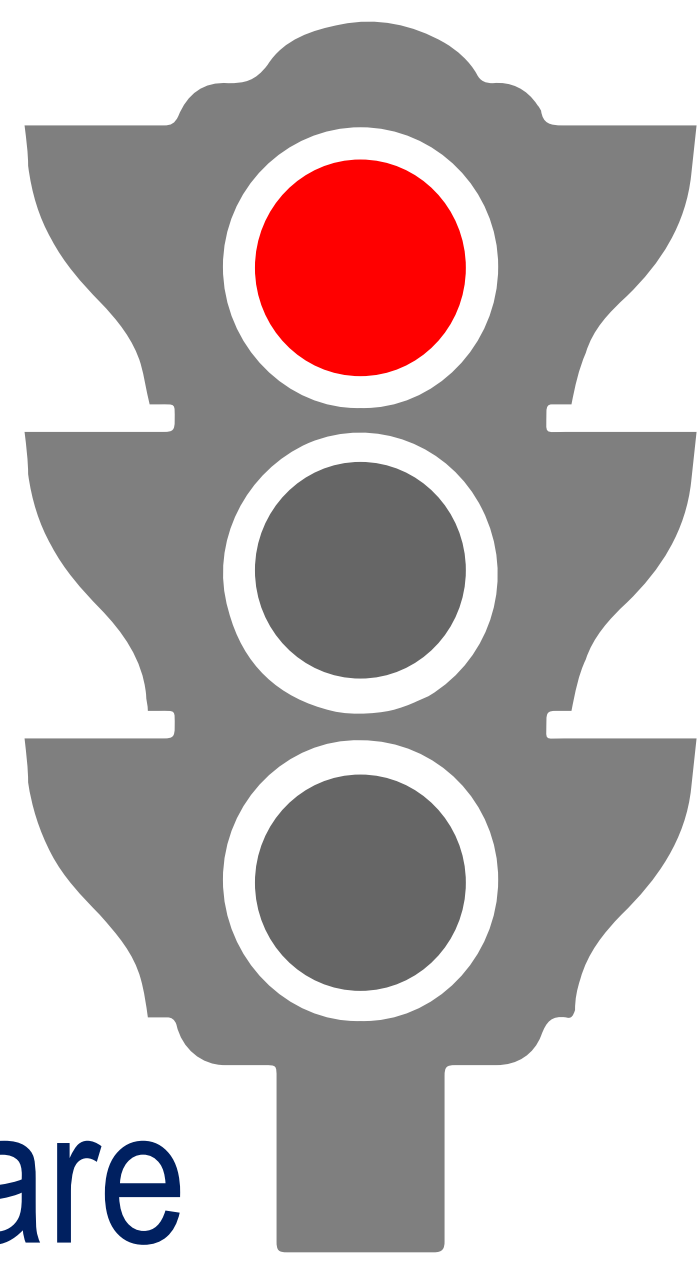
An Advanced Circular and Agile Manufacturing Ecosystem based on rapid reconfigurable manufacturing process and individualized consumer preferences



Rationale

Manufacturing companies **consume** high amounts of energy as well as **natural resources** in their product-making processes:

- The respective amounts and overall costs of product making are increasing
- EU energy prizes are continuously increasing
- Raw materials price trend is ascending, increasing short term volatility



Optimizing the manufacturing processes becomes “a must” to ensure **sustainability**



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



Meeting Industry 4.0 objectives:

- Operational excellence
- Mass customization and personalization
- Increasing efficiency
- Reducing waste
- Boosting competitiveness

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