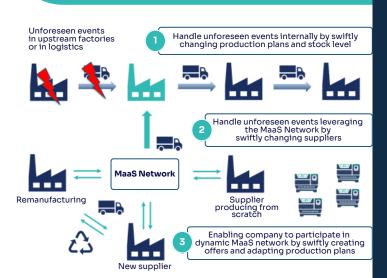


Resilient and Adaptive Supply Chains for Capability-based Manufacturing as a Service Networks

The European industries struggle with supply chain disruptions due to supplier failures, material shortages, and unpredictable events.

RAASCEMAN addresses these challenges.

"Manufacturing as a Service" (MaaS) offers a solution. By leveraging digital platforms for distributed manufacturing, it enables quick, dynamic responses to supply chain disruptions, minimizing their impact.





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University partners

> Industrial partners

Use cases

Testbeds engaged



RAASCEMAN for **Manufacturing** Resilience



RAASCEMAN is an EU-funded project that develops innovative Al-powered tools using real-time data from the supply chain to analyse potential disruptions and quantify their impact.

RAASCEMAN Approach:

- Real-time Risk Analysis Detects disruptions early and assesses their impact.
- **Alternative Supplier Network** Connects manufacturers with MaaS (Manufacturing as a Service) providers.
- **Reliable Decision-Making** Evaluates supplier reliability and feasibility of alternatives.
- **Al-Driven Planning** Supports production plan adjustments to ensure seamless operations.
- **Digital Twin Integration** Creates virtual models for better supply chain management.

Real-World Applications

Three use cases for validation of the technical and econnomic viability of MaaS, assessing both supply-side and demand-side impacts of disruptions.

- 1. Automotive Industry
- 2. Bike Manufacturing
- 3. Interconnected Pilot Lines

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