

capri

Where automation and cognition meet the process industry

**Cognitive Automation
Platform for European
PRocess Industry
digital transformation**



This project
receives funding
from the
European
Union's Horizon
2020 Research
and Innovation
Programme
under Grant
Agreement
Number
870062.



12
partners



7
countries



6,1M€
EU Funding

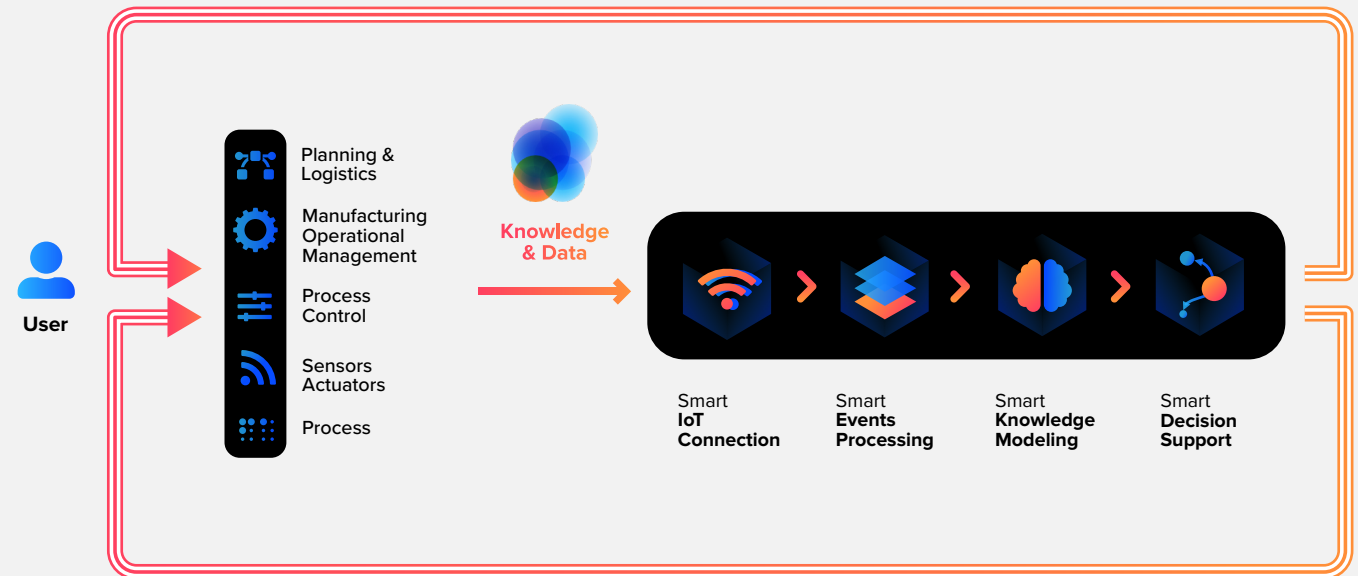


42
Months

The Project




CAPRI project works towards the digital transformation of the Process Industry by developing cognitive solutions. To do so, CAPRI develops and tests an innovative **Cognitive Automation Platform (CAP)** engaging a Reference Architecture, both commercial and open source, for batch, continuous and hybrid process industry plants, with four levels of cognitive human-machine interaction: **industrial IoT connections, smart events processing, knowledge data models, AI-based decision support.**

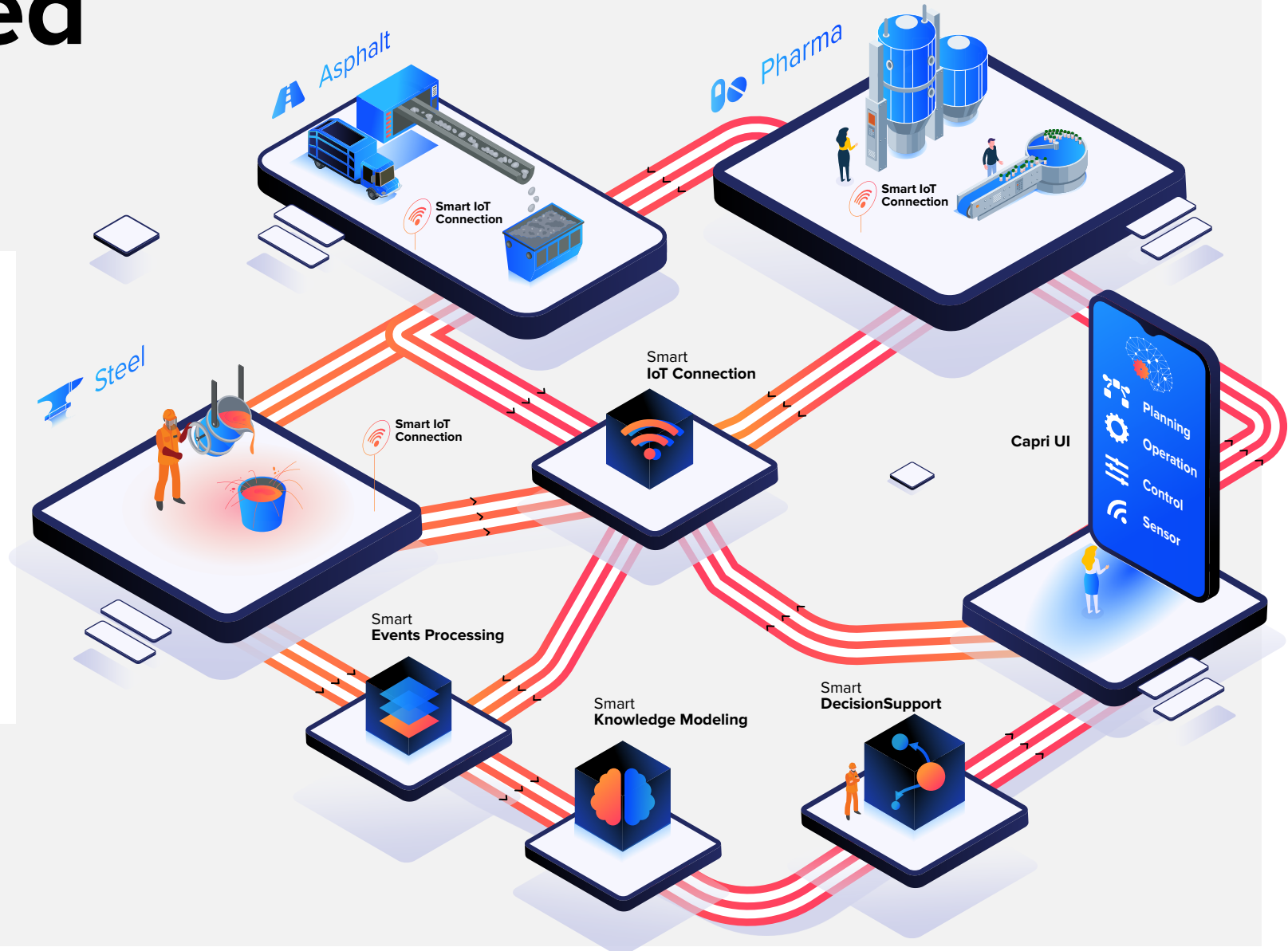
The project further develops a **toolbox of cognitive solutions** for planning, operation, control and sensing. CAP platform and the cognitive tools included in will be modular and scalable, so that advanced applications could be developed and integrated on top of it, and replicable in areas of production planning, control, automated processes and operations of all SPIRE sectors.



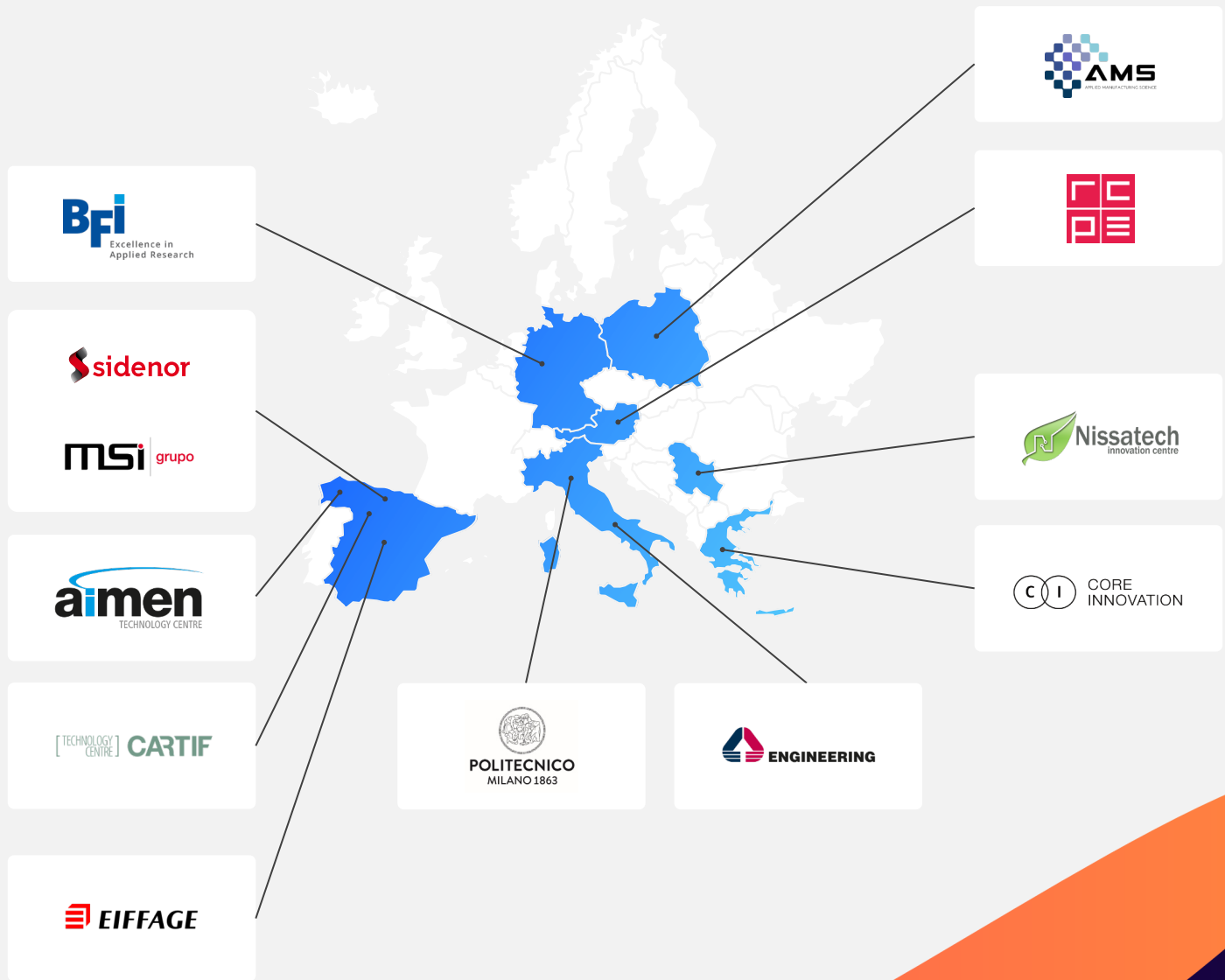
Expected Impact

on industrial and environmental aspects

-  **-5%** reduction of CO2 footprint
-  **5%-20%** Savings in Raw Material
-  **-5%** overall reduction in energy consumption



Use Cases



Steel

Cognitive Production Management for Steel Bars by Digital Integration of Product and Process Information



Asphalt

Global cognitive solution for Asphalt concrete manufacturing



Pharma

Pharmaceutical manufacturing process for tablets



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CAPRI EU PROJECT



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Cognitive Automation Platform for European PProcess Industry digital transformation

Project

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