

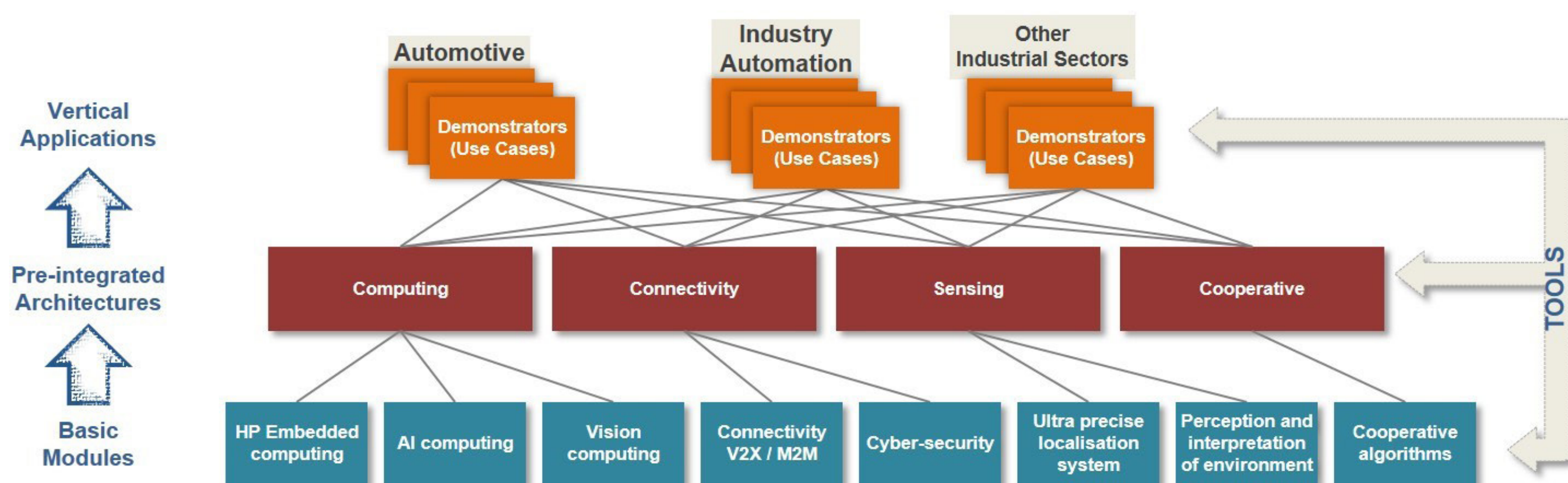
CPS4EU

Cyber-Physical Systems for Europe



Objectives

In recent years, Cyber Physical Systems (CPS) technologies have become a game changer in strategic sectors such as Automotive, Energy and Industry Automation, where Europe is a world leader. CPS are a key driver for the innovation capacity of European industries, large and small, generating economic growth and supporting meaningful jobs for citizens. CPS4EU aims to significantly reduce the development time and certification efforts, and arm Europe with extensive value chain across these key sectors.



Technical Innovation

To achieve these goals CPS4EU will:

- Develop 4 key enabling technologies: computing, connectivity, sensing, cooperative systems
- Incorporate these CPS modules through pre-integrated architectures and design tools
- Instantiate these architectures in dedicated use cases from strategic applications: automotive, smart grid, industry automation, and SME products and services
- Improve CPS awareness and usage for all industrial sectors.

Relevance and Impact

CPS4EU gathers major large companies, a large set of innovative SMEs and world-class research centers to exchange knowledge and reinforce the value chain in strategic markets to:

- Strengthen CPS Technology providers to ensure European sovereign procurements
- Improve design efficiency and productivity and enable secure certification
- Enable the creation of innovative European CPS products that will strengthen the leadership and competitiveness of Europe by both large groups and SMEs
- Ensure a large dissemination of the CPS technologies.

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€M 53

Participating organisations
36

Number of countries
5