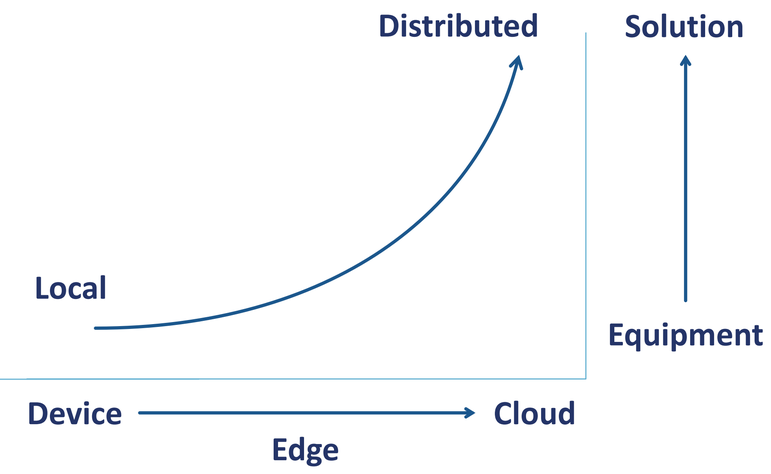
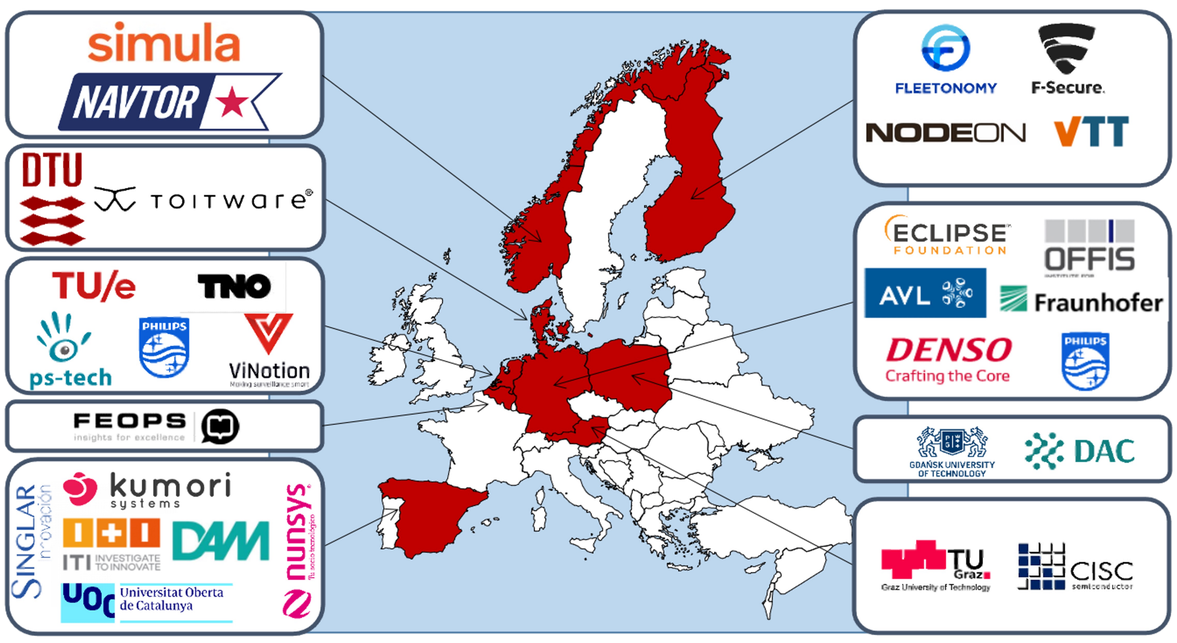
Towards safe and secure distributed cyber-physical systems



Develop a universally applicable distributed solution architecture, framework and transition methodology for the transformation of standalone safety-critical CPS into distributed safety-critical CPS solutions.



1. Transforming CPS' architecture from monoliths to distributed solutions
2. Ensuring CPS' performance in the device-edge-cloud continuum
3. Ensuring CPS' security and privacy in the device-edge-cloud continuum
4. Devising business models for CPS deployed in the device-edge-cloud continuum

Coordinator: PHILIPS MEDICAL SYSTEMS

Industrial Use Cases

UC1: Remote operation of autonomous vehicles for the navigation in urban environments

UC2: Critical maritime decision support enhanced by distributed, AI enhanced edge and cloud solutions

UC3: Cloud-featured battery management systems

UC4: Edge-cloud-based clinical applications platform for Image Guided Therapy and diagnostic imaging systems

UC5: Critical wastewater treatment decision support enhanced by distributed, AI enhanced edge and cloud solutions

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