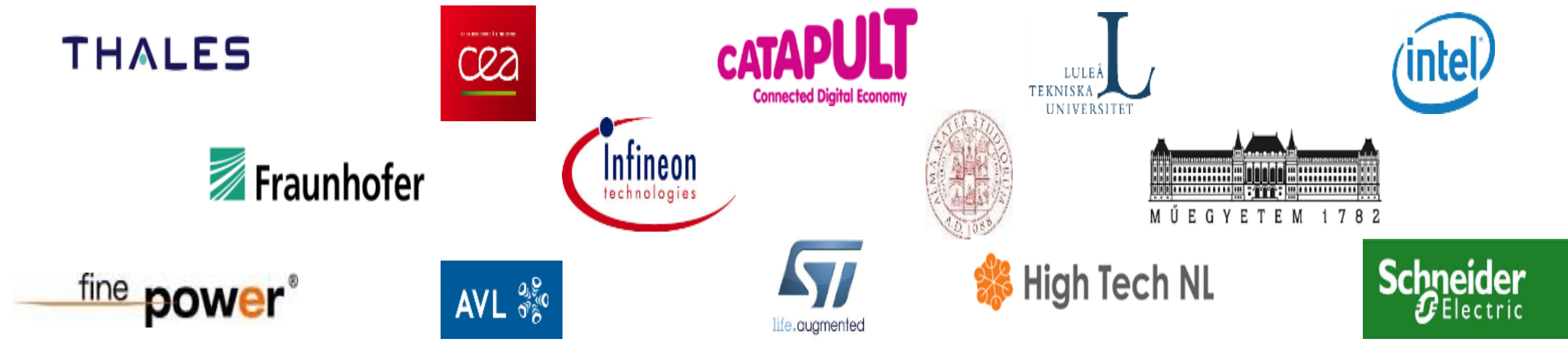


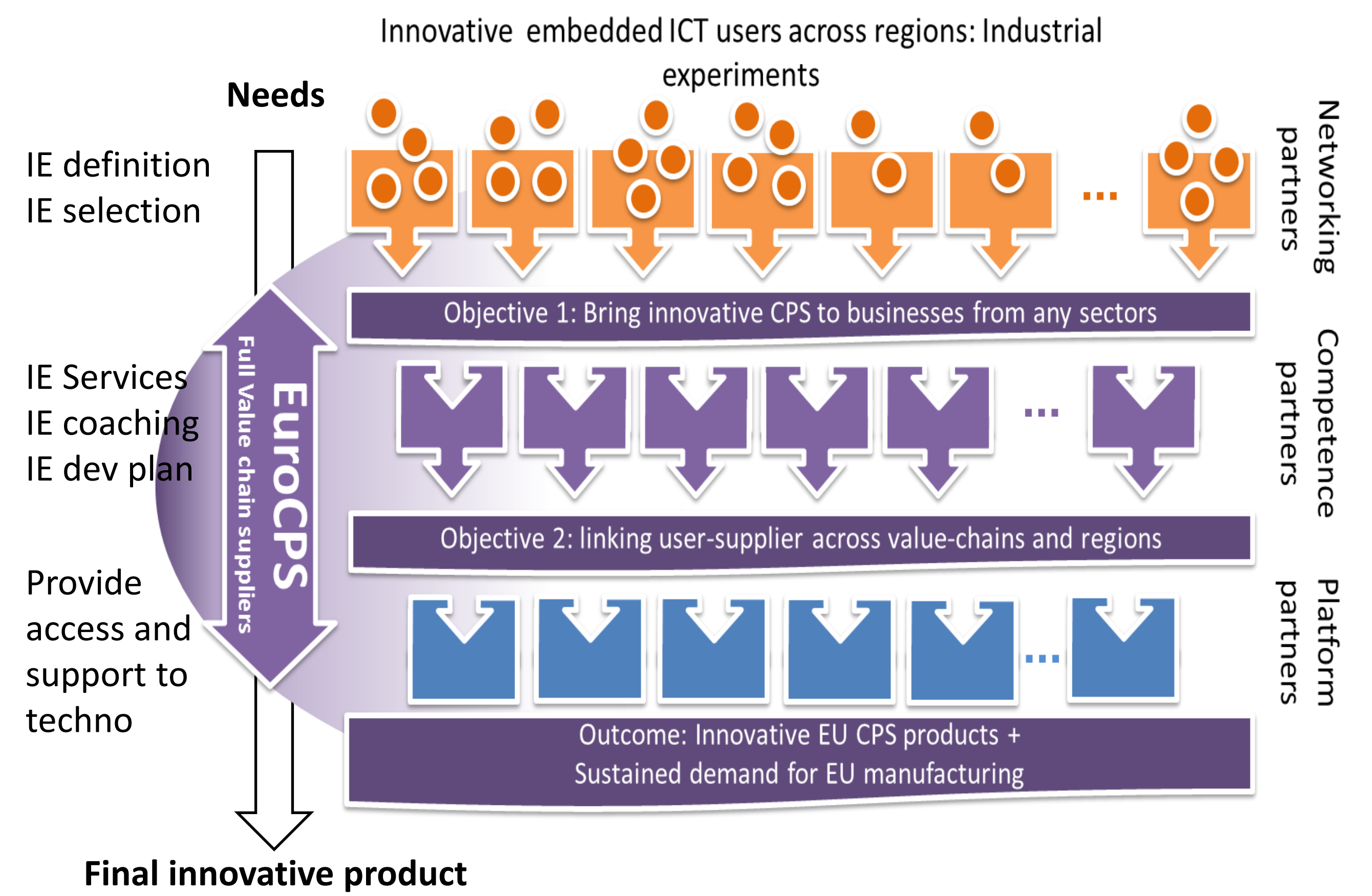


EuroCPS

Cyber-Physical Systems



<https://www.eurocps.org/>



The EuroCPS platforms

Software

Avionics Platform

Processing board & real time SW solutions provided by Thales

Integration systems

Integrated and Open Development Platform

Simulation methods and tools for development provided by AVL

Connectivity Platform

Solution for digitalization application provided by Schneider

STM32 Microcontroller Platform

32-bit product range provided by STMicroelectronics

iNEMO Inertial Platform

A sensor platform provided by STMicroelectronics

Quark System on Chip Platform

Low-power platform provided by Intel

Hardware

Power management Platform

Component platform provided by Infineon

Silicon Process and Package Technology

Leading-edge silicon processes and package technologies provided by STMicroelectronics

Avionics platform



Avionics application models (eg Flight management system)

Different task triggering modes (periodic, aperiodic, etc)
Specific inter-task communication properties
Requirements on space & time isolation

Types of supported platforms (Freescale)

QorIQ Processing Platforms: 64-bit Multicore

- QorIQ Communications Processors High/Mid-Performance Tier
 - T4240, P4080, P5020, P5040, T2080

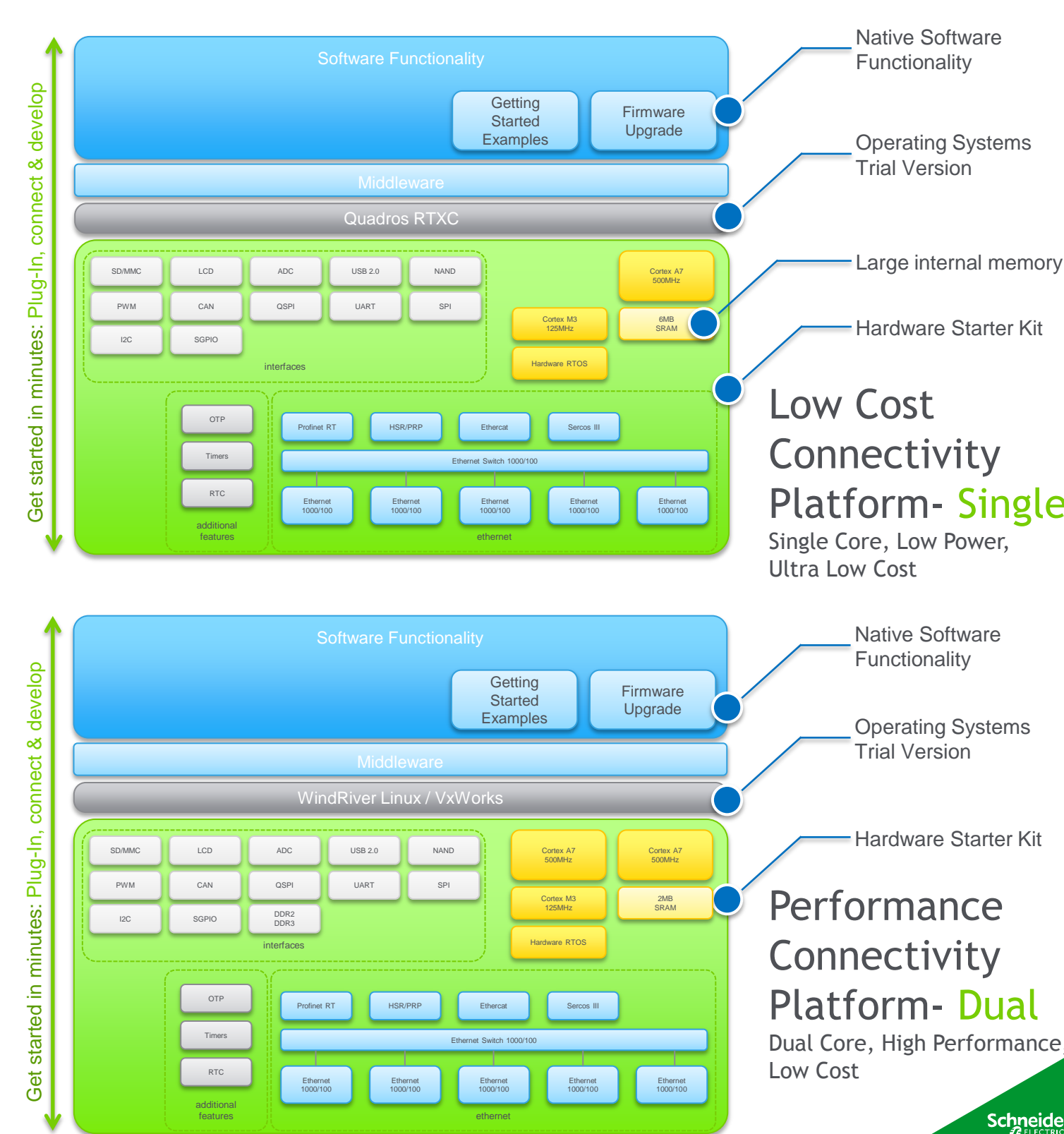
i.MX Applications Processors based on ARM Cores

- i.MX 6SoloX Processors - Heterogeneous Processing

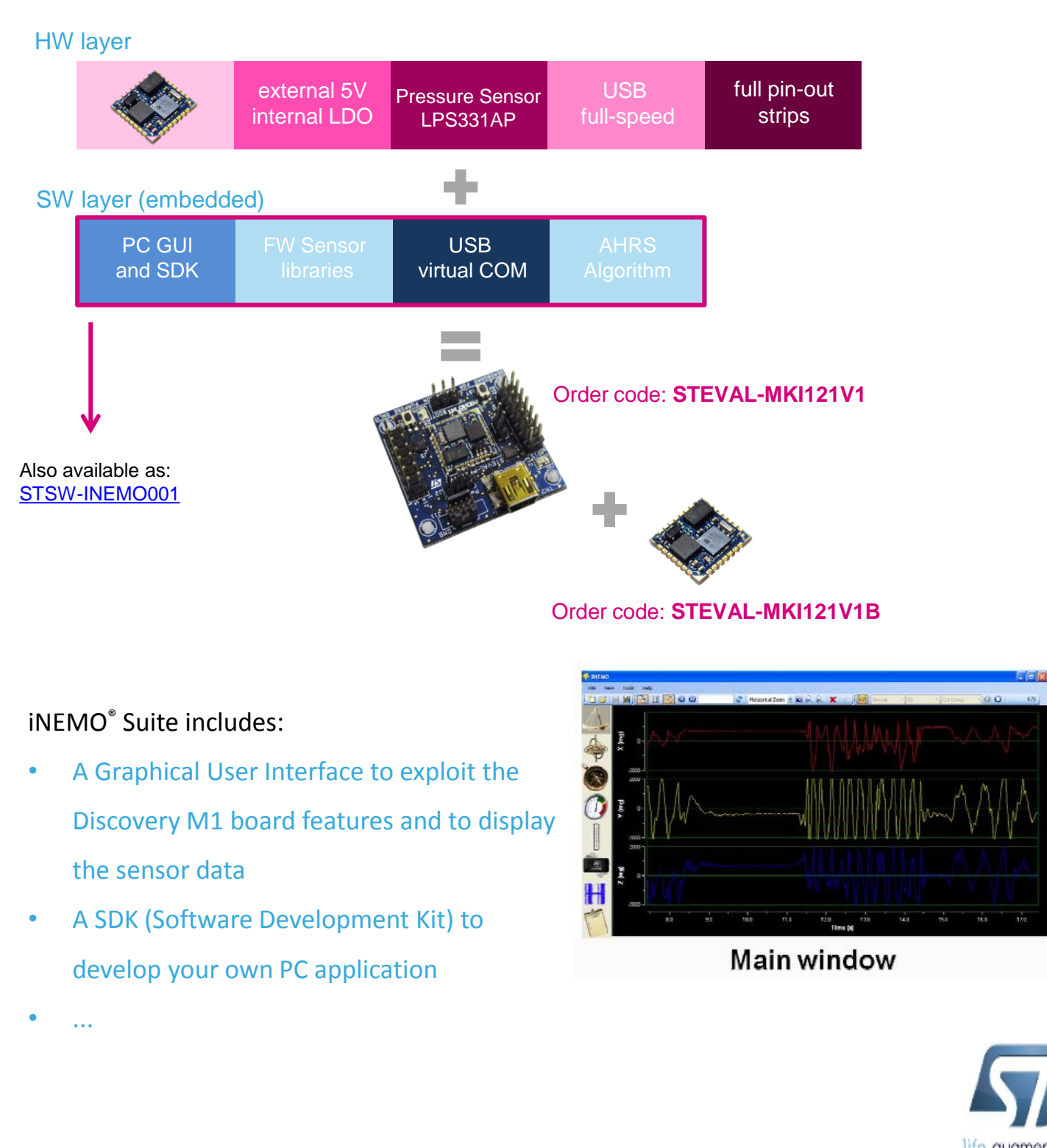
Potential Industrial Experiments on RTOS with new features, architecture models, timing analysis tools, etc



Connectivity Platform



iNEMO inertial Platform



Power management Platform



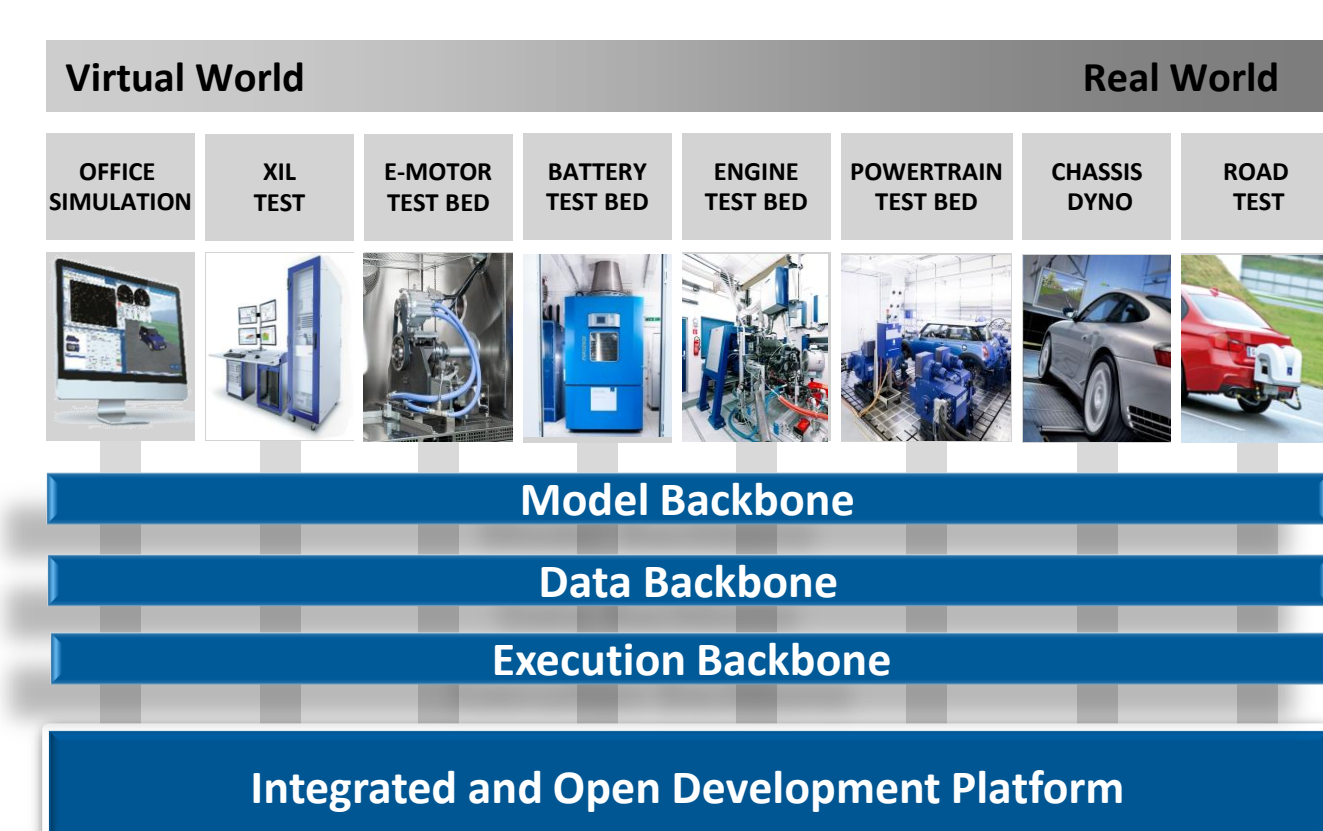
Power Management

Selection Guide 2015

<http://www.infineon.com/cms/en/product/promopages/pm-selection-guide/>



Integrated and Open Dvt Platform



→ Opportunities for Industrial Experiences

Integration into AVL's seamless development and validation platform

Get access to comprehensive development data along the entire development cycle for creation of smart solutions



STM32 Microcontroller Platform



Quark System on Chip Platform

Intel Gateway Solutions for IoT Development Kit DK50

Intel Studio SDK (Software Development Kit)

Based on Intel Galileo Hardware

Open Platform for Developing IoT Applications and Services

These may be Integrated with McAfee* and Wind River* Software to provide edge security and device manageability.



Silicon Process & Package Techno.

Access to application-specific standard and custom devices and to their leading-edge silicon processes and package technologies for customer-designed products to give added performance and value to the end product.

Several technologies including advanced 65nm and 28nm CMOS available for SME.

Only architecture exploration and device definition are funded.

