

BE CPPS

Business Experiments in Cyber-Physical Production Systems

IOT Week Industry Day

Belgrad, 01/06/2016

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I4MS ICT Innovation for Manufacturing SMEs

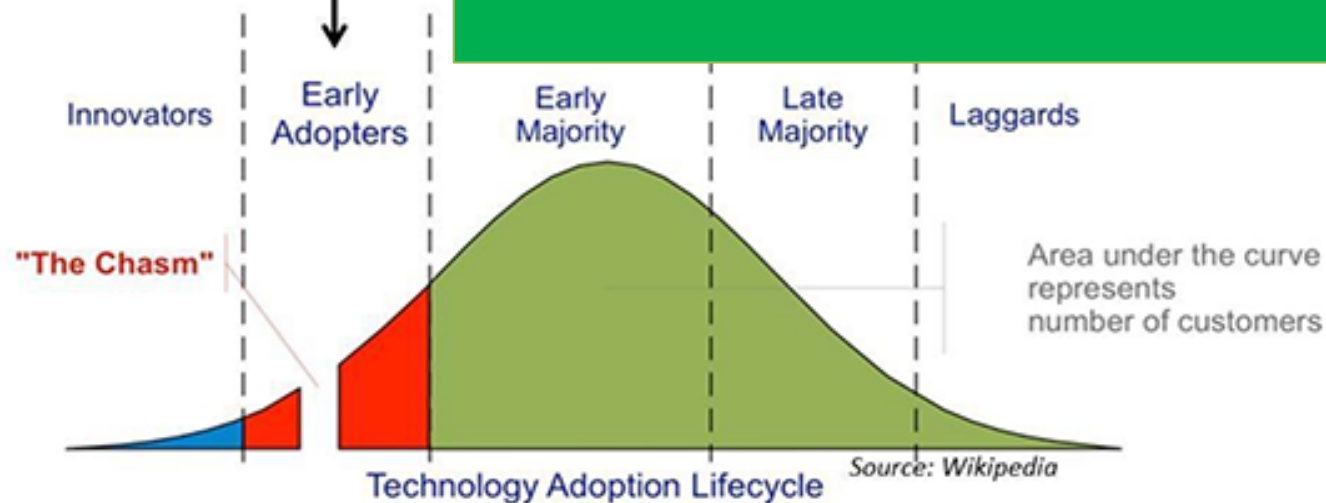
- EC initiative supporting SMEs and mid-caps in digital value creation
- Launched in July 2013 in the context of the Factories of the Future cPPP
- Targets process innovation through digital technologies such as robotics, CPS and IoT
- €77M budget, 150 participating companies



ICT Innovation for Manufacturing SMEs

Support technology suppliers in *"crossing the chasm"*
Support users in early adoption

Stimulate the replication potential



BEⁱⁿCPPS Business Experiments in Cyber-Physical Prod. Systems

- H2020 Innovation Action (FoF-11-2015)
- 23 partners from 9 countries, started in 2015
- Promotes *CPSization* of manufacturing
- Delivers an Open Platform for CPPS
- Industrial pilots in five *S3 Vanguard* regions first (*regional champions*), and then across all Europe through Open Calls

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Business Experiments in Cyber-Physical Prod. Systems

Rhone-Alps



Euskadi



Plastic Components
for Automotive Ind.



Footwear

Baden-Wuerttemberg



JOHN DEERE



Fraunhofer

IPA

Industrial Vehicles &
Equipment for Agriculture

Lombardia



White Goods



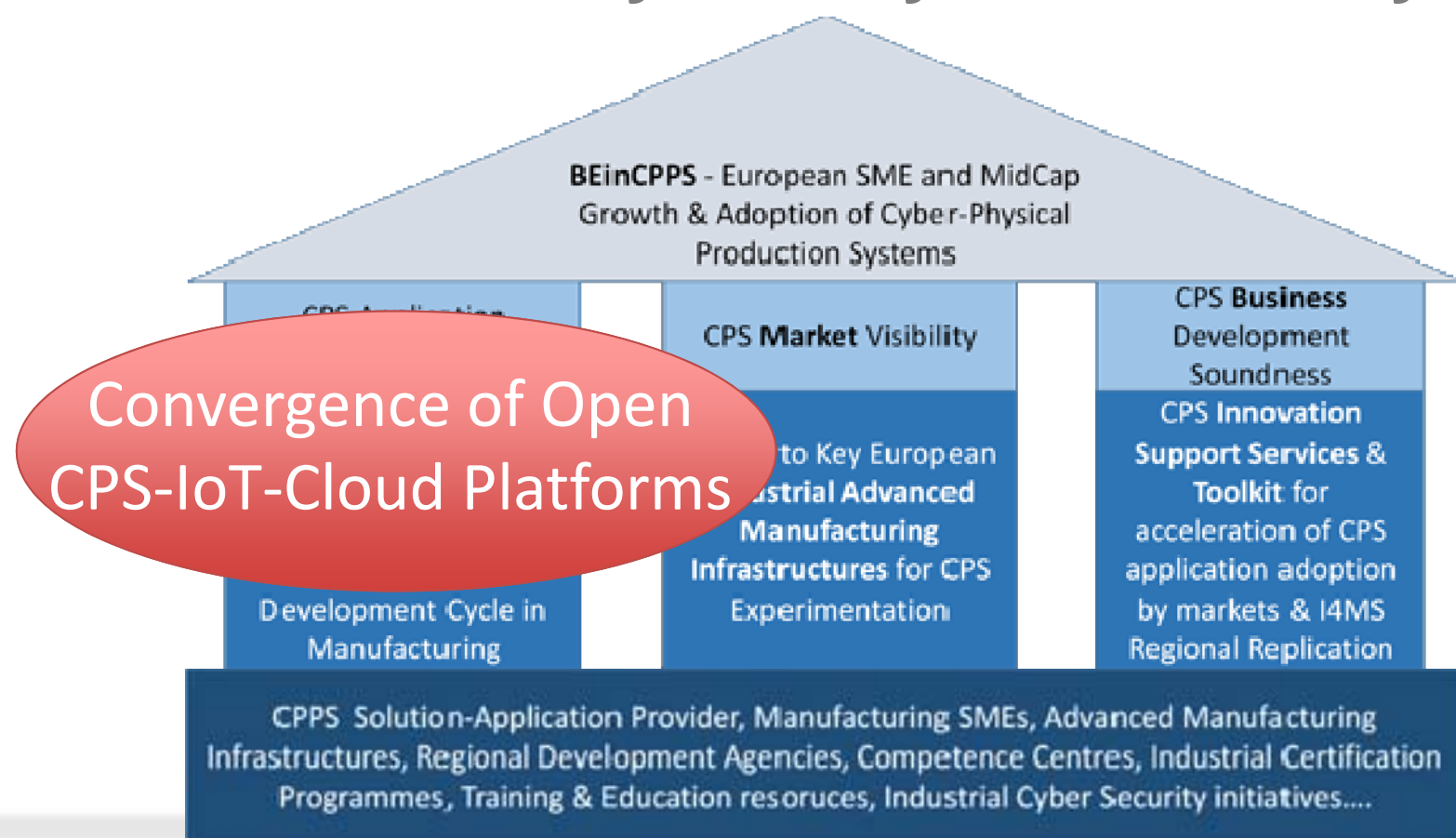
BEⁱⁿCPPS**Business Experiments in
Cyber-Physical Prod. Systems****POLITECNICO
DI MILANO****JOHN DEERE****Nissatech**
innovation centre**Fraunhofer**
IPA**ENGINEERING****MTC**
MAIER TECHNOLOGY CENTRE**MAIER****TTTech****HOLONIX**
BRING THINGS TO LIFE**inovalia**
ASSOCIATION**AFIL**
Lombardia

ubiquitous

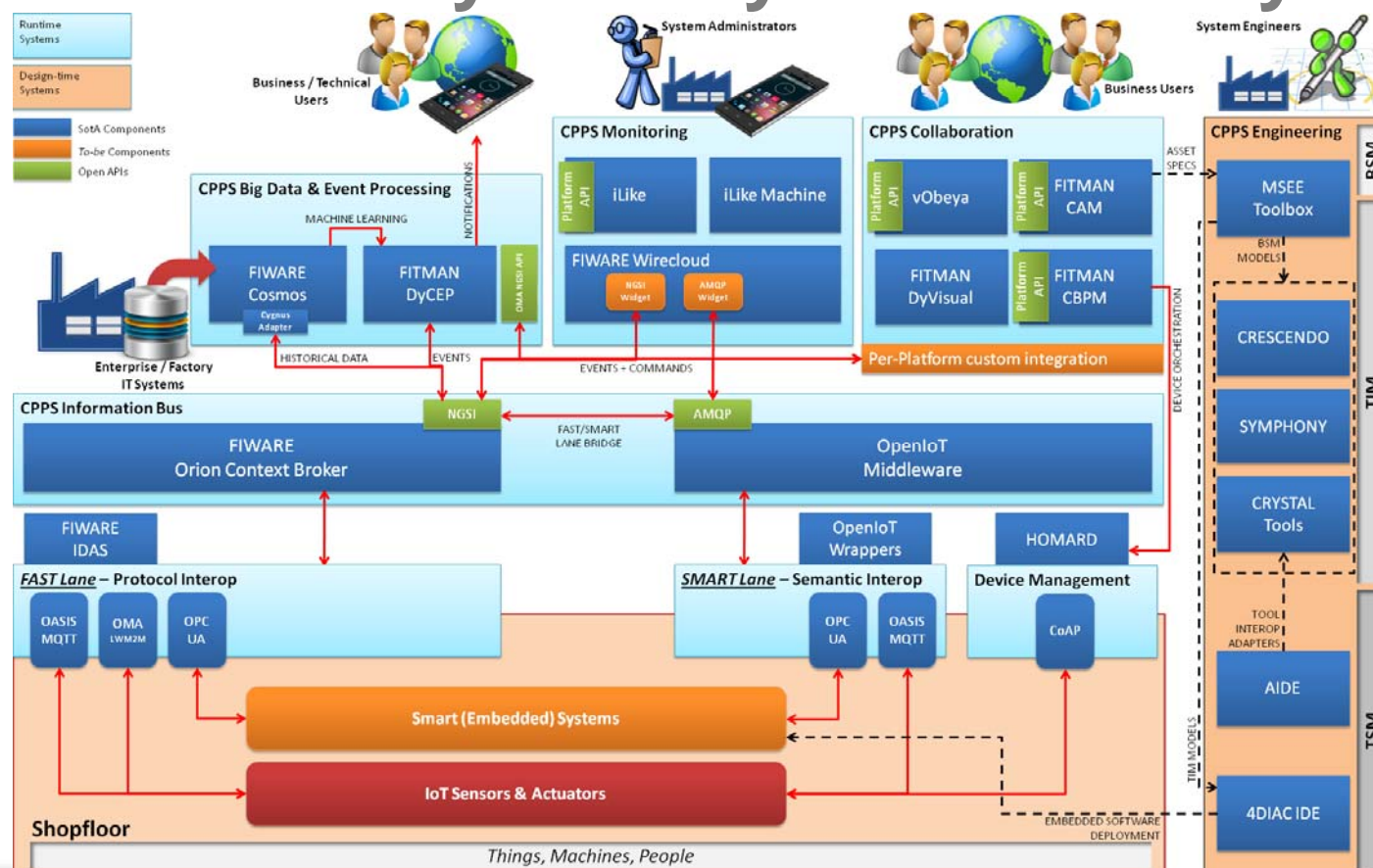
**Georges
ERNNOUD**
— Le Groupe —**TRIMEK**
METROLOGICAL ENGINEERING**fortiss****inesc**

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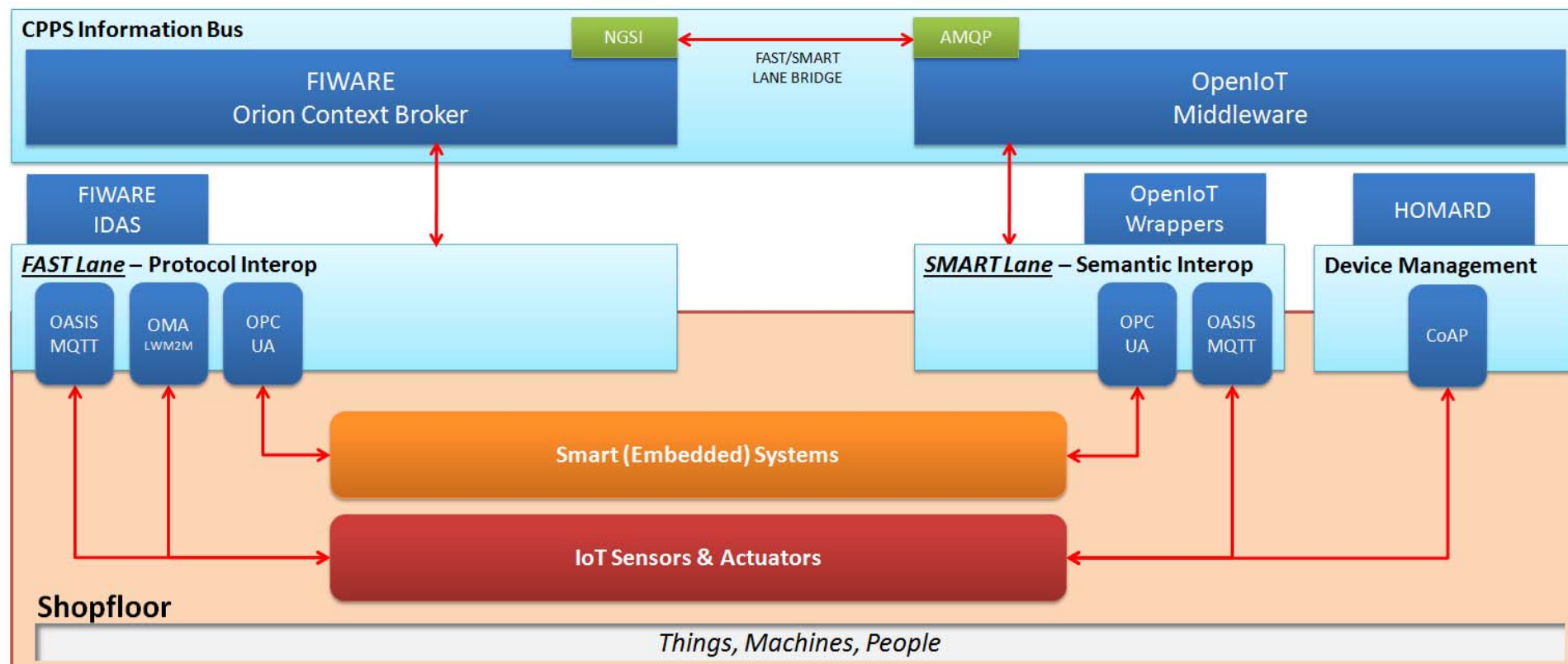
Business Experiments in Cyber-Physical Prod. Systems



BEⁱⁿCPPS Business Experiments in Cyber-Physical Prod. Systems



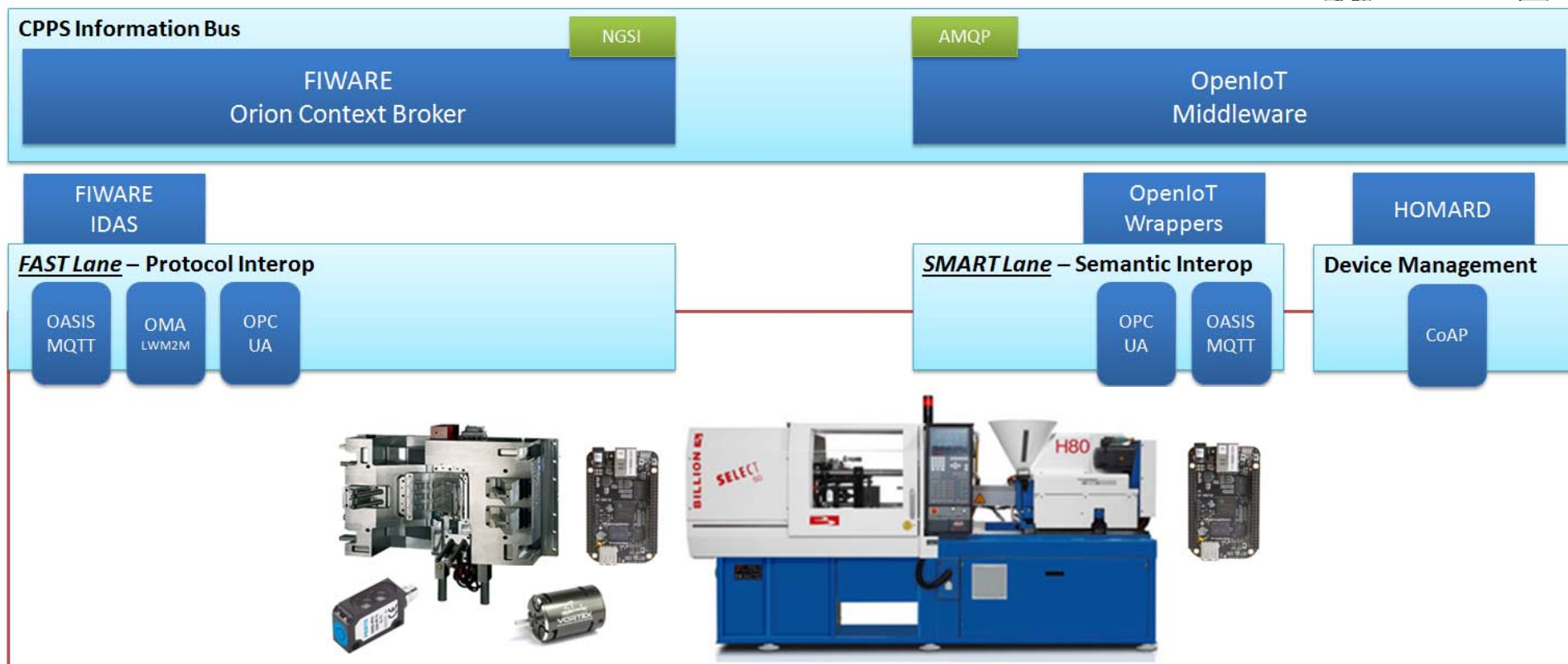
BE ⁱⁿ CPPS IoT @





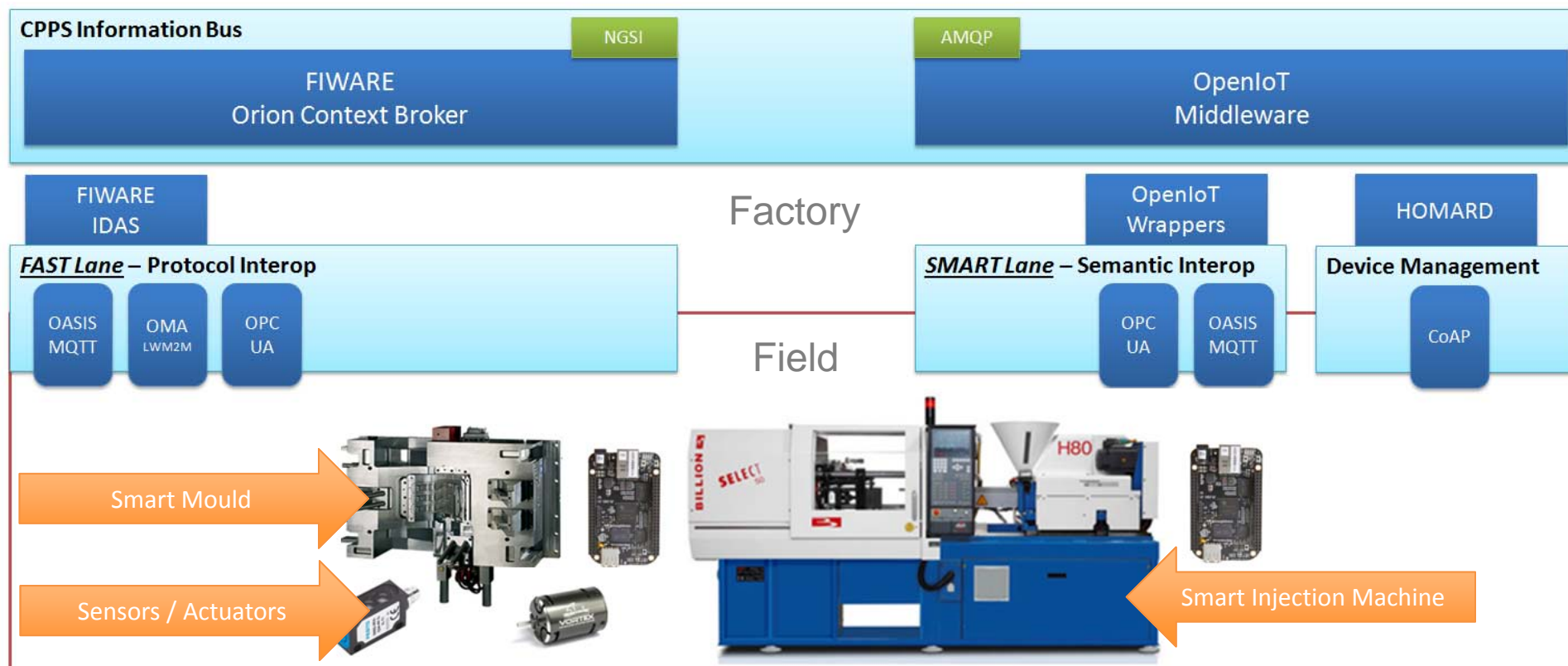
IoT @ **BE in CPPS**

Injection Moulds for Thermoplastic Parts



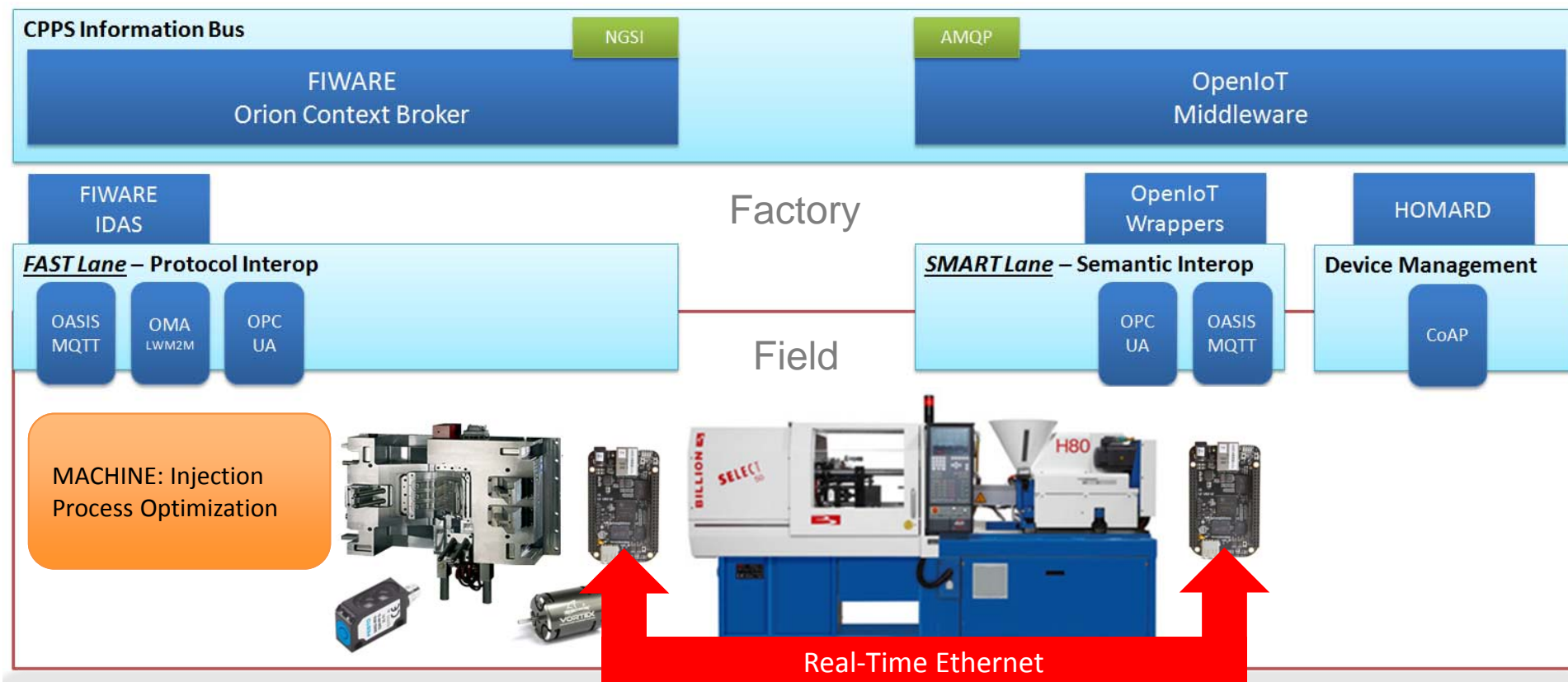
IoT @ BEinCPPS

Cloud



IoT @ BE in CPPS

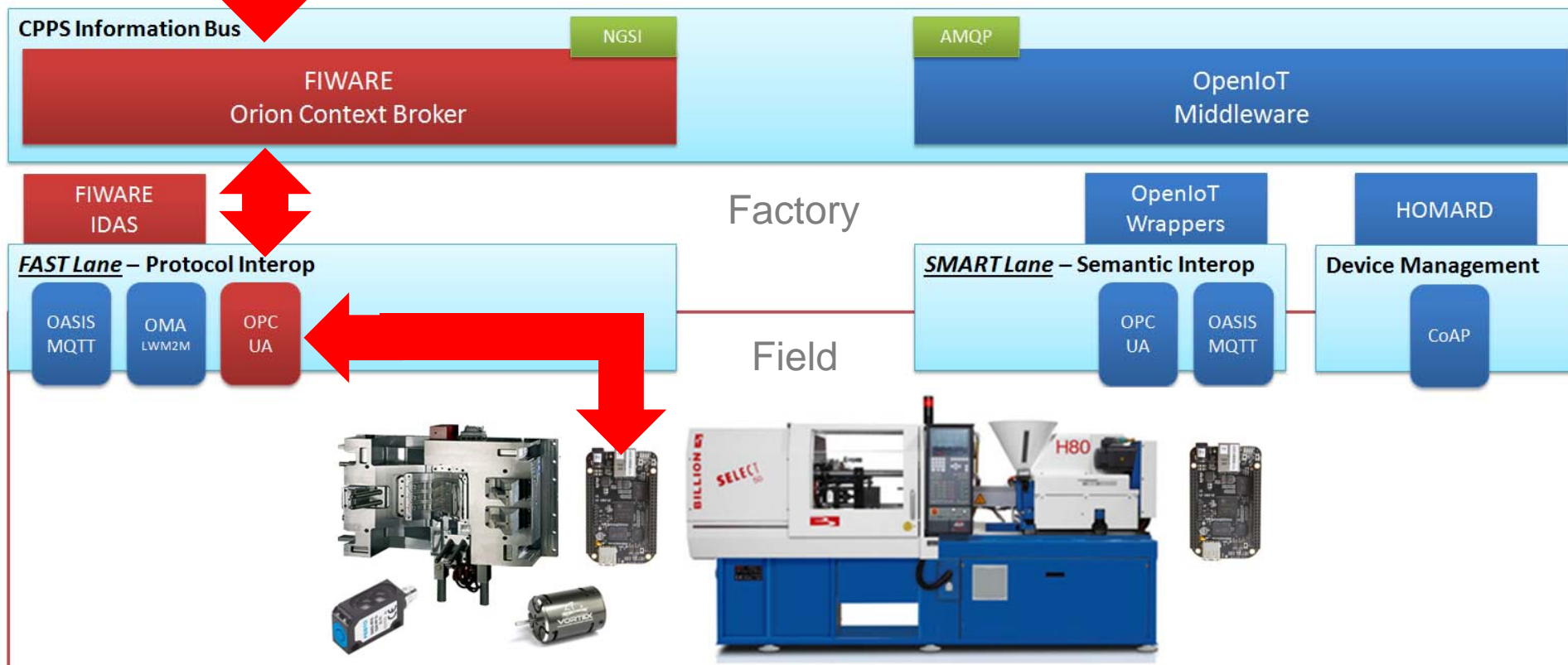
Cloud



- PERNOUD: Global Mould Maintenance
- FACTORY: Manufacturing Process Optim.
- FACTORY: Dashboards

IoT @ BE in CPPS

Cloud



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Thank You!

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