

# BE CPPS

## Business Experiments in Cyber-Physical Production Systems

IOT Week Industry Day

Belgrad, 01/06/2016

Mauro Isaja – [mauro.isaja@eng.it](mailto:mauro.isaja@eng.it)

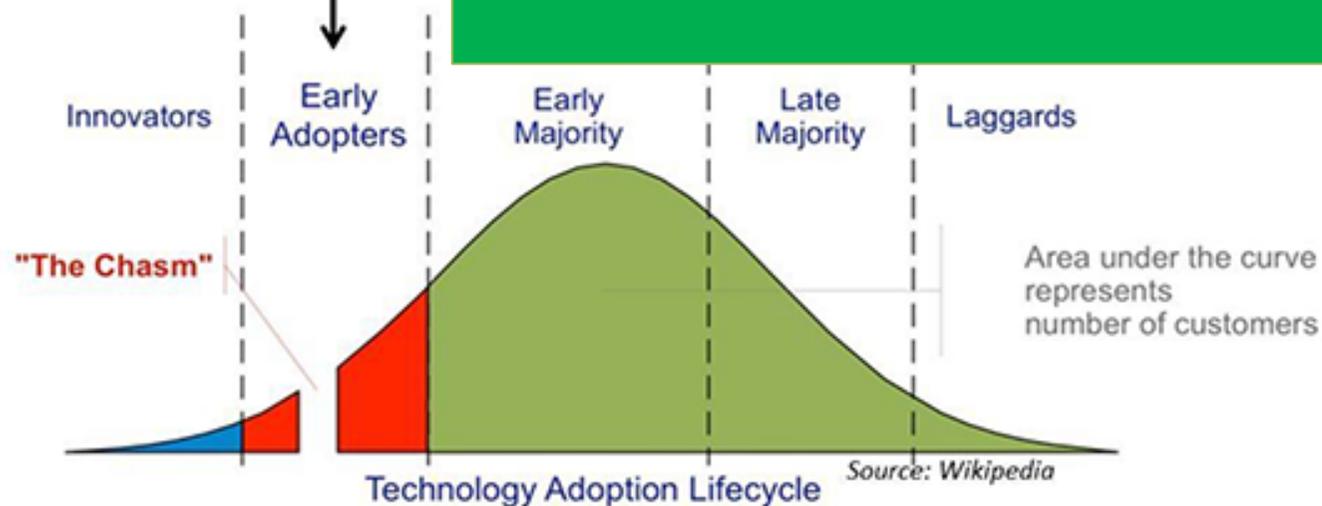
# I4MS ICT Innovation for Manufacturing SMEs

- 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

# I4MS ICT Innovation for Manufacturing SMEs

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

Stimulate the replication potential



# BE CPPS 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

# BE in CPPS

## Business Experiments in Cyber-Physical Prod. Systems

Rhone-Alps



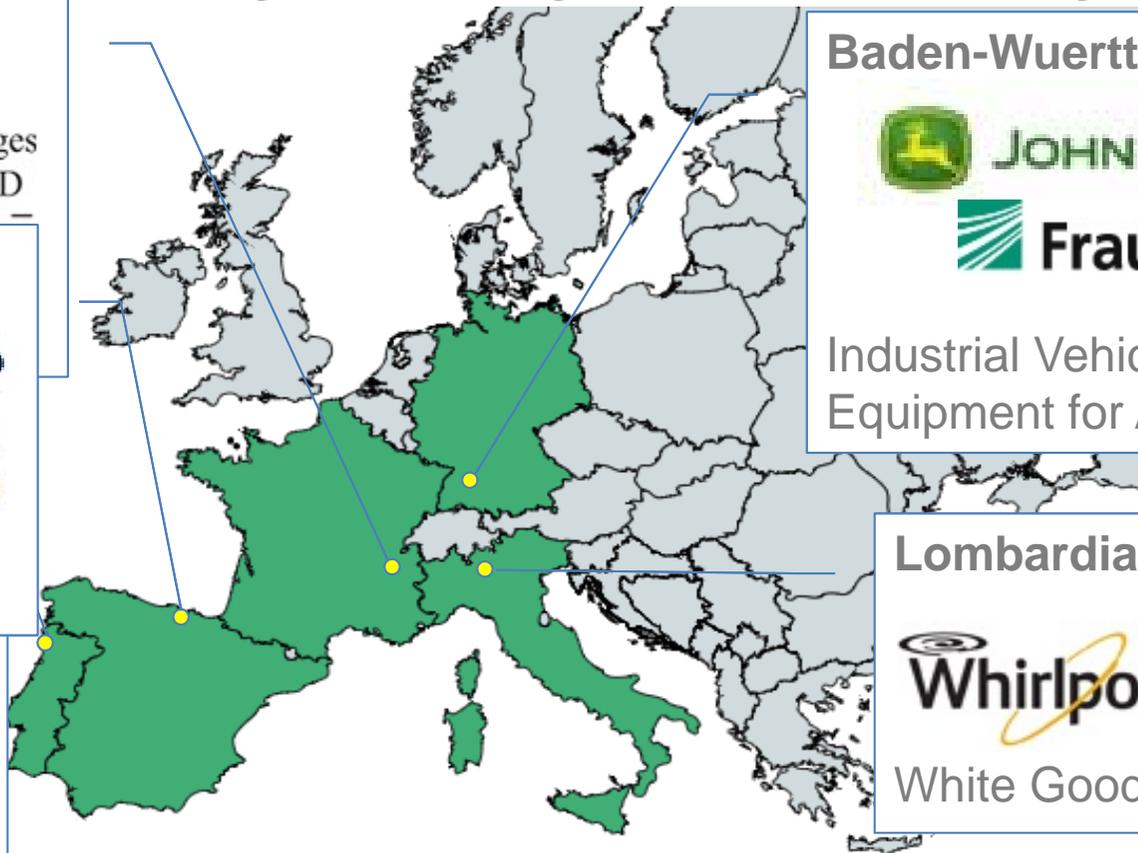
Euskadi



Plastic Components for Automotive Ind.



Footwear



Baden-Wuerttemberg



Industrial Vehicles & Equipment for Agriculture

Lombardia



White Goods

# BE CPPS

## Business Experiments in Cyber-Physical Prod. Systems



POLITECNICO  
DI MILANO

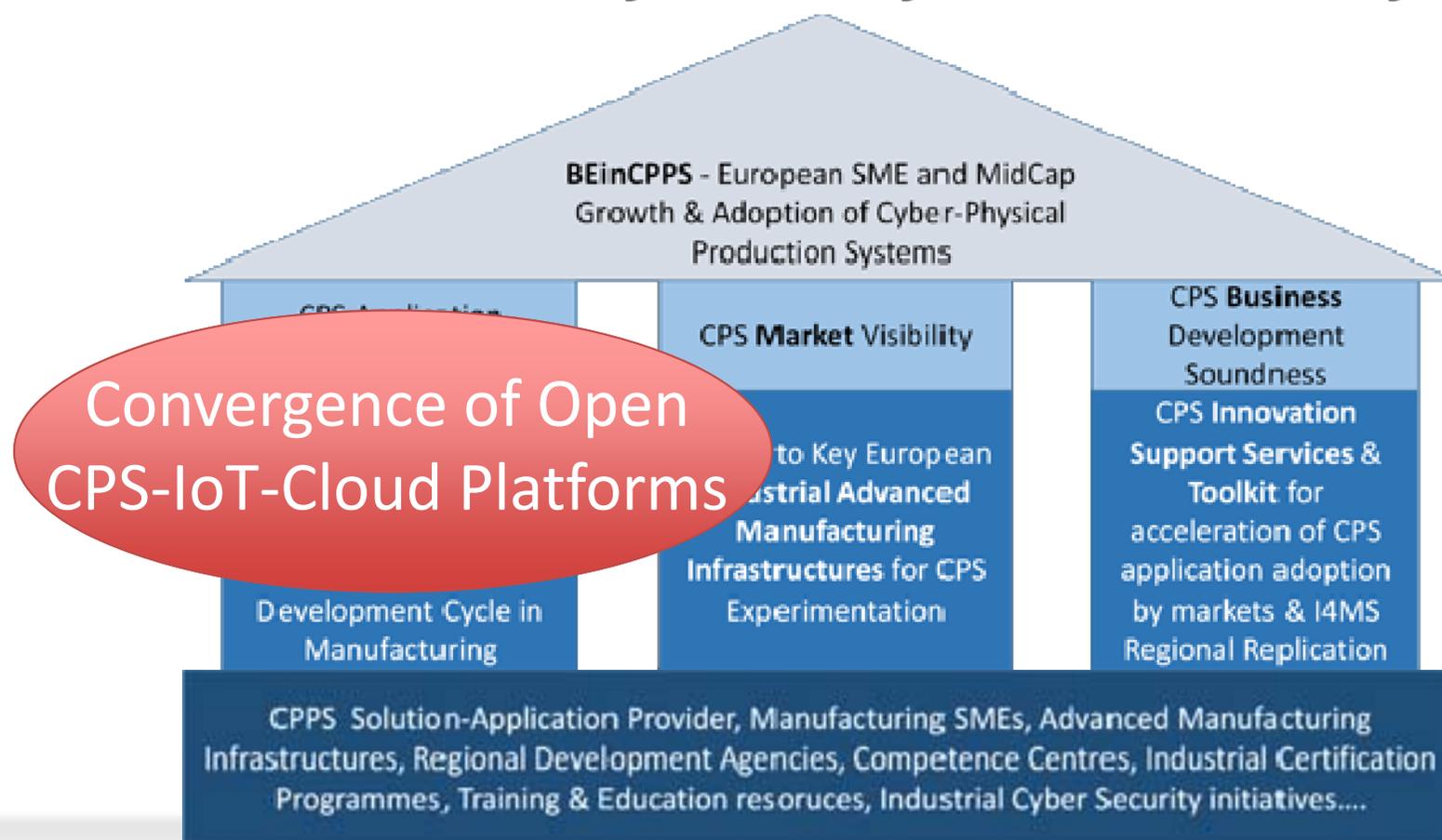


JOHN DEERE



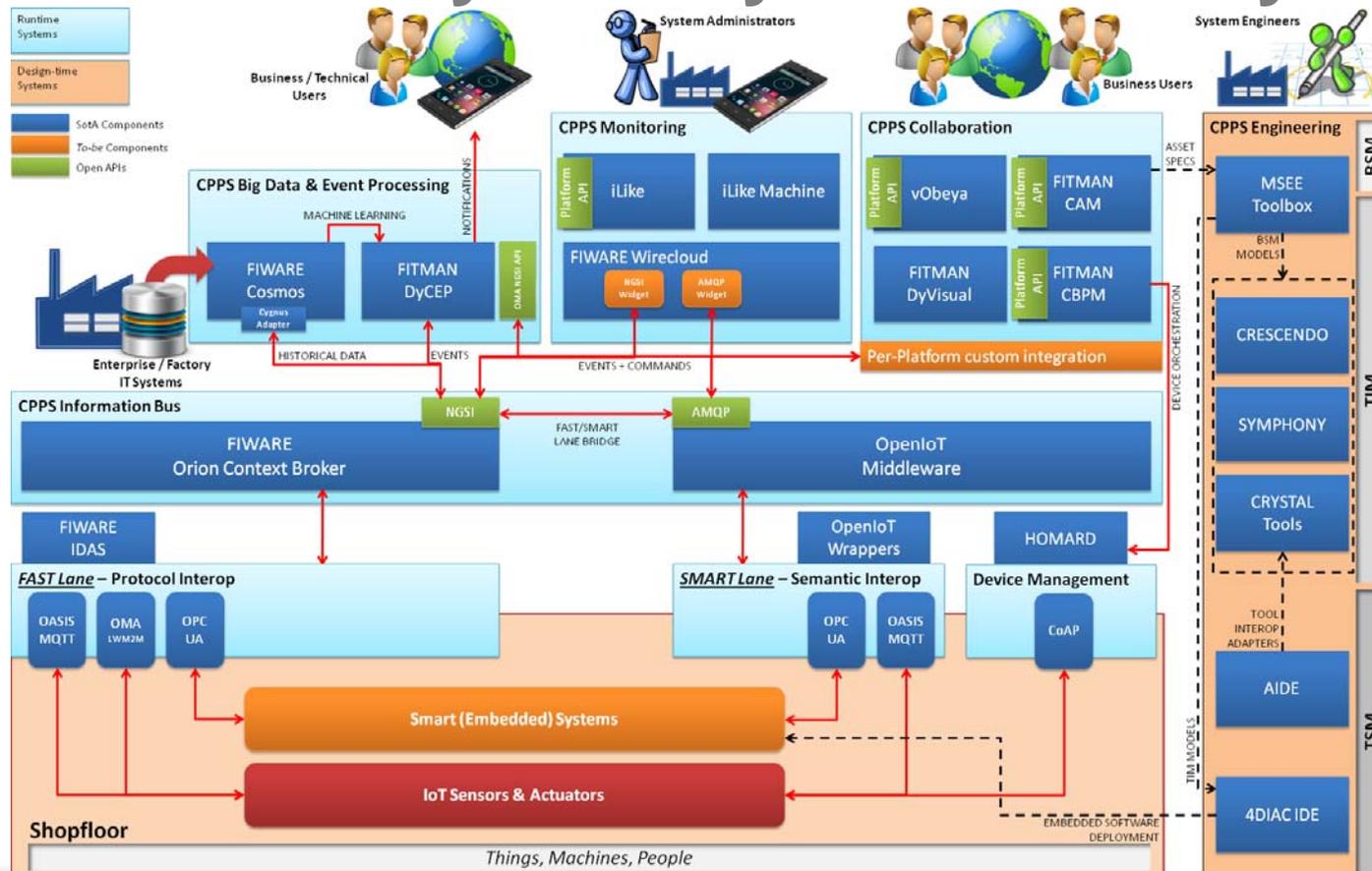
**BE<sup>in</sup>CPPS**

# Business Experiments in Cyber-Physical Prod. Systems

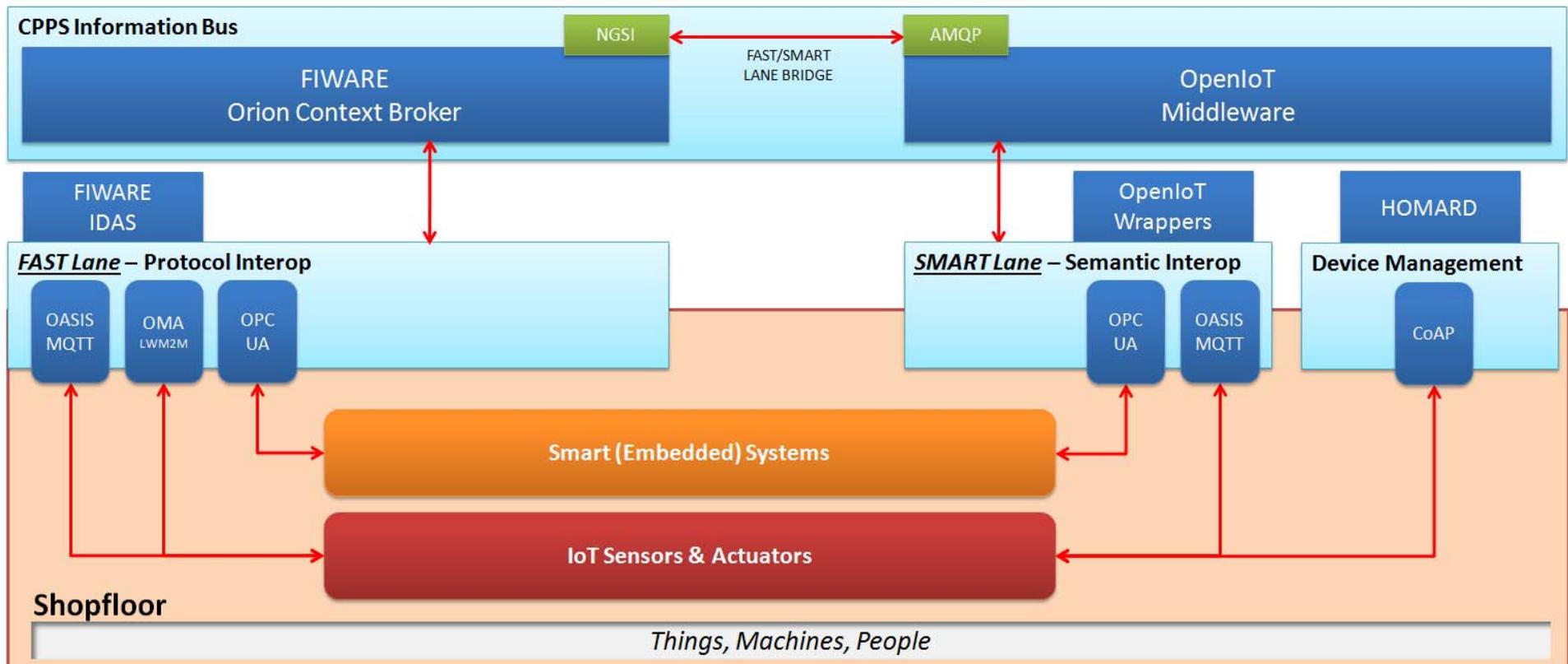


# BE in CPPS

## Business Experiments in Cyber-Physical Prod. Systems



# BE **in** CPPS IoT @

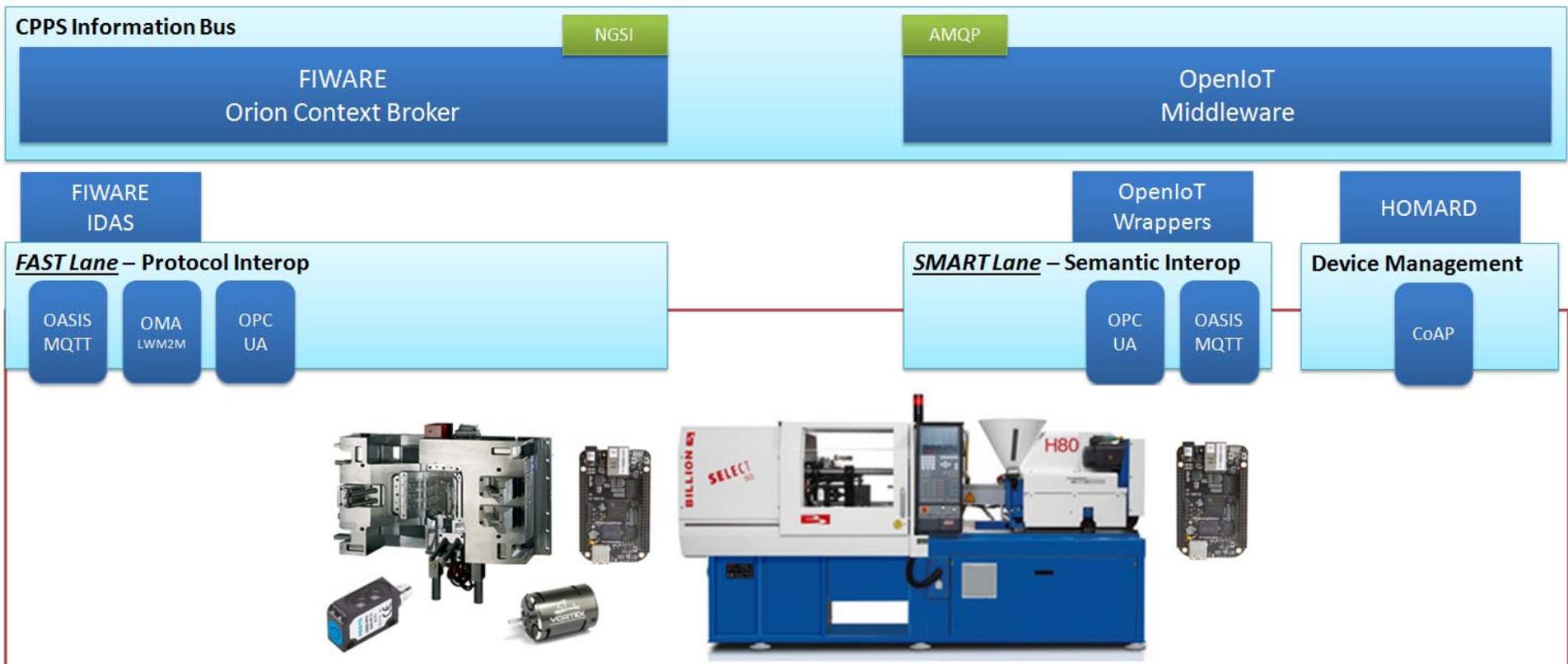




# IoT @ BE in CPPS

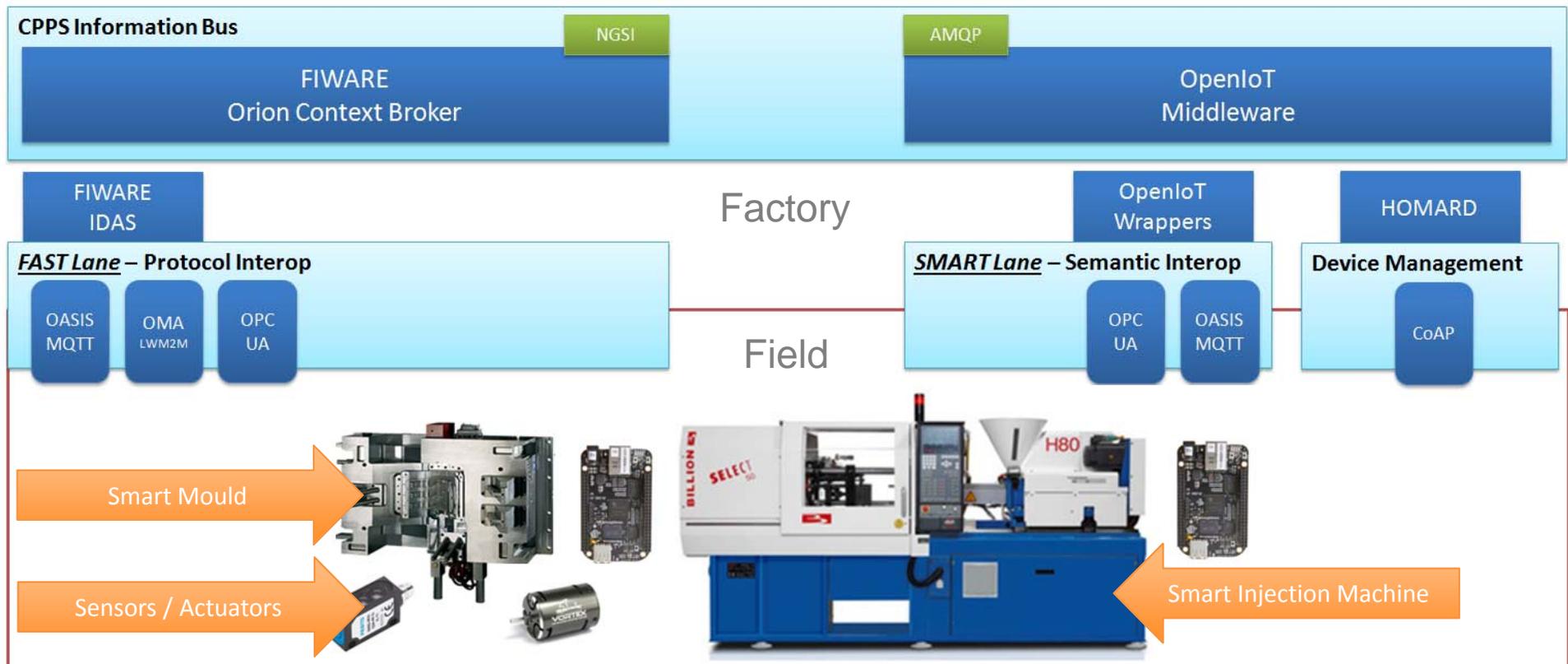
## Rhone-Alps

Injection Moulds for Thermoplastic Parts



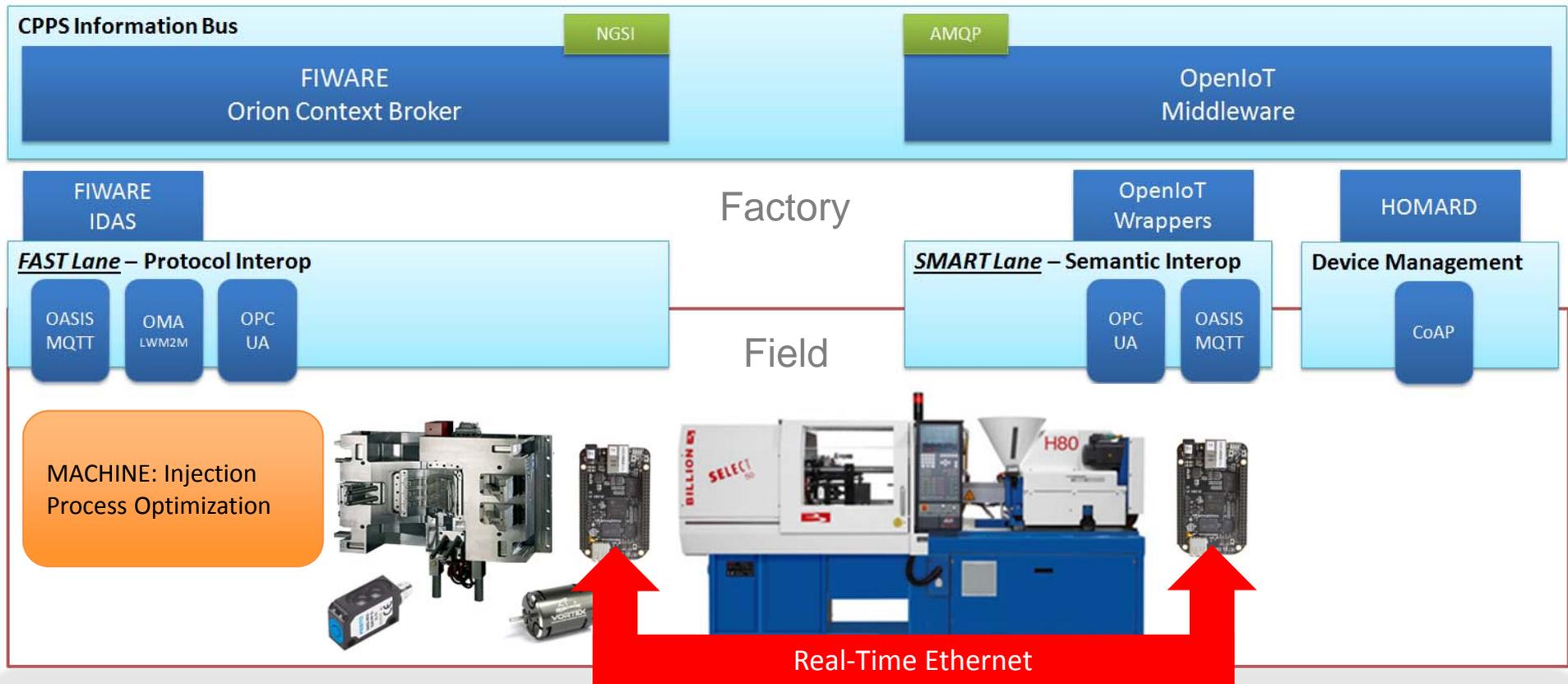
# IoT @ BE in CPPS

Cloud



# IoT @ BE in CPPS

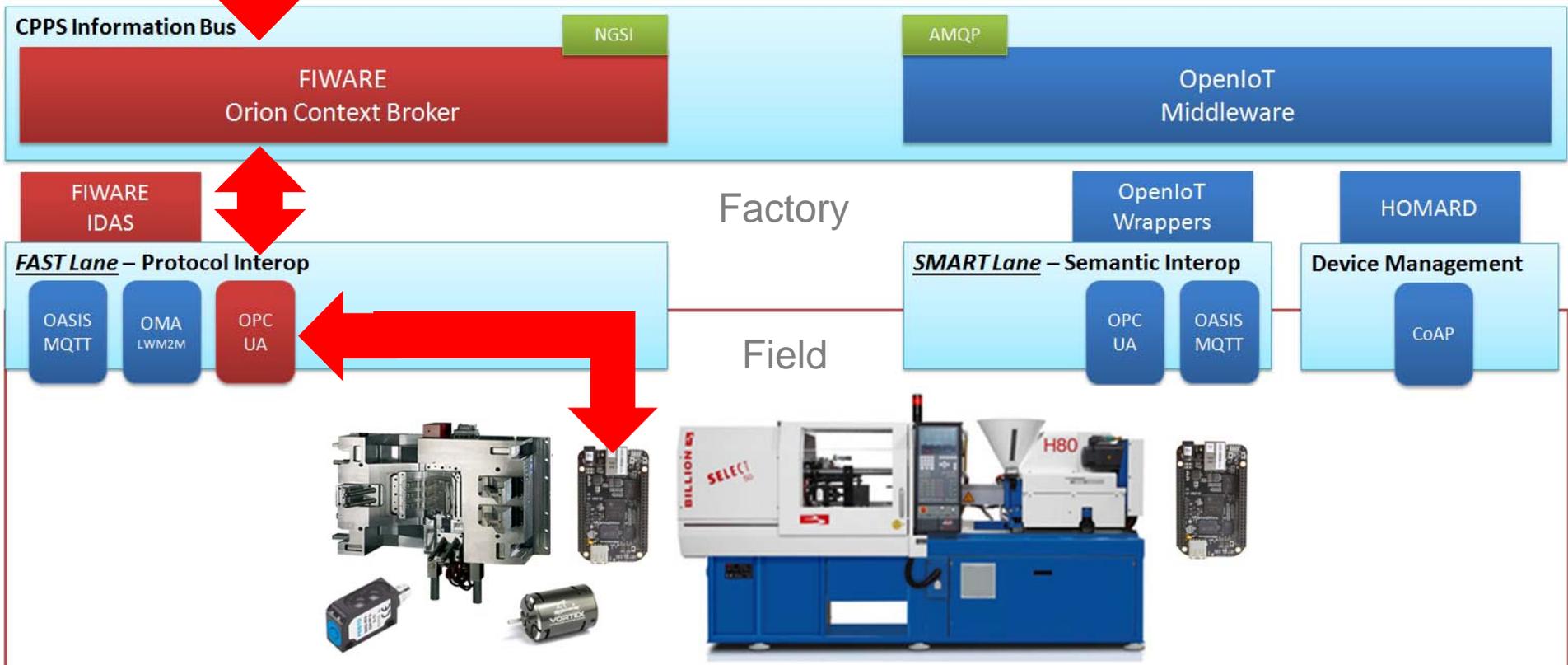
Cloud



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

# IoT @ BE in CPPS

Cloud



**BE  CPPS**

**Thank You!**

Mauro Isaja – [mauro.isaja@eng.it](mailto:mauro.isaja@eng.it)