Industrial IoT Solutions
Mindsphere vs FIWARE

07-06-2018
We are leader in Digital Transformation

We are a leader in digital transformation serving a global client base. (Industry 4.0)

We are the Worldwide Information Technology Partner for the Olympic & Paralympic Games.

Atos is a Societas europaea (SE) company and we are listed on the Euronext Paris market.

We operate under the main brands Atos, Atos Consulting, Atos Worldgrid, Bull, Canopy, Unify and Worldline.

€12 billion annual revenue circa
Top 5 digital leader
#1 leader in Europe

72 countries around the world
100,000 business technologists

Trusted partner for your Digital Journey
ARI - Research & Innovation Group

► **R&D&I hub** of Atos (Headquarters in Spain)

► Development of projects combining the deployment of **advanced technologies** and **commercial exploitation**

► **Coordination** and Management of big international partnerships

► **Source of innovative solutions** to be promoted to Atos customers

**Worldwide reference point in Research, Development & Innovation**
Competences
RDI | Research, Development & Innovation

- More than **30 years of experience** in running RDI projects, extremely well-known player in R&D in European contexts (FI-PPP, BDVA, AIOTI, EIT, H2020).

- Experts in designing, running and negotiating **large scale** RDI collaborative projects.

- Industrialisation of processes, **PMO**.

- **Wide range of expertise** - from emerging technologies to social sciences - various disciplines and cultures.

- Successfully providing **Research & Innovation support services** to other organizations (innovation workshops).

Ranked n.1 in Europe in participation in FP7

![Table 7: Ranking of top 10 PRC organisations inFP participations for the period 2007-2013](image)
MindSphere is the **cloud-based**, open **IoT operating** system from Siemens that connects your products, plants, systems, and machines, enabling you to harness the wealth of data generated by the Internet of Things (IoT) with advanced analytics.

The FIWARE platform provides a rather **simple yet powerful set of APIs** (Application Programming Interfaces) that ease the development of **Smart Applications** in multiple vertical sectors. The specifications of these APIs are **public and royalty-free**. Besides, an **open source reference implementation of each of the FIWARE components is publicly available** so that multiple FIWARE providers can emerge faster in the market with a low-cost proposition.
MindSphere
An open cloud platform for Industry Customers

Optimization of plants and machines as well as energy and resources

- **Open standards** for connectivity of Siemens and third party products
- **Plug and play connection** of Siemens products
- **Cloud for industry** with open application interface for individual customer applications
- Transparent **pay-per-use pricing model**
- Opportunities for completely new **business models** (e.g. selling machine hours)
FIWARE for Industry

FIWARE CEPheus Broker Engine
FIWARE PROTON on Storm CEP
FIWARE ORION Context Broker
FIWARE for INDUSTRY Enterprise Service Bus

F4I DyVisual 3D Models Visual
F4I CAM Assets Mgmt
F4I Cloud Man. Assets Planner

F4I DyCEP Dynamic Events
FIWARE Wirecloud Widget Mashup

F4I IDAS OPC-UA & MQTT Backend Agent
F4I SEMED Sem. Mediator
F4I Secure Event Manager Broker

F4I ANLZER Sentiment Brand
F4I CBPM Orchestration

Logistics for Manufacturing SMEs
There are many Industrial IoT Platforms. Not clear which one will prevail.

In Manufacturing there are many applications of IoT data:
- Condition monitoring.
- Predictive Maintenance.
- Zero defects.
- ...

Think big, start small!
Thanks

For more information please contact:
@jredroso
jorge.rodriguez@atos.net