Smart Industrial Manufacturing: **Manufacturing-as-a-Service**

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Companies

Champions

Confirmed	Tentative
TWI, BT	+2

Participants

Confirmed	Tentative
Infosim, Etiya	+3

Looking for …

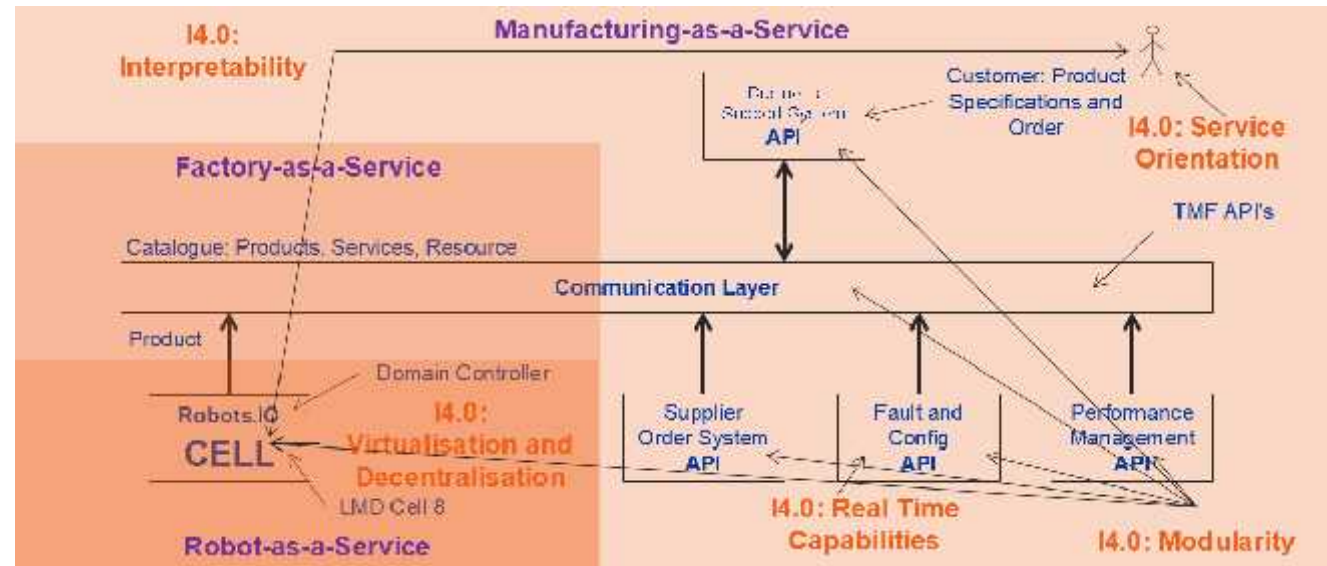| Topic/Function	Description of Topic/Function
Platform Based Thinking	Looking for design thinking to help create a new type of platform that could be used in the industrial manufacturing space built using the principles of Industry 4.0
System Integrators	Need System Integrators who aim to use and align to the TM Forum Open API program
Analytics	Need an analytics provider

Smart Industrial Manufacturing: Robots-as-a-Service

Champion: TWI

Picture provided courtesy of TWI

- Best New Catalyst Award
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Problem Statement (one-liners)

- As an **R&D facility**

- I need to **deliver functional components**

- So that I can **support an industrial membership base**

- To do this, I need to **implement innovative smart digital systems integrating external suppliers, ensuring secured data communications, maintaining IP boundaries, all underpinned by Industry 4.0**

- I know I am successful when **disparate facilities across the UK are digitally connected.**

Why is this an important problem to solve?

- Creating **one** logical factory
    - consisting of several physically disparate facilities
    - integrating external suppliers
- Delivering **Industry 4.0** to manufacturers
    - Electronic traceability & tracking
    - Process optimization
    - Increased robustness of systems
    - → **Increased competitiveness**

3 sites, 2 suppliers, 1 logical factory

Ideas for Innovation

What new areas do you plan to explore?

- *The project will leverage* **platform based thinking**, **architectures** *and* **methodologies** *as well as* **Forum Open APIs** *for* **interoperability across disparate facilities and different processes** *proving* **quantifiable value in a real world context**.

- *Building upon* **industry agreed standards and security protocols** *enabling a* **scalable platform**, *improving interoperability, efficiency and transparency.*