

tmforum connecting digital ecosystems

> **Smart Industrial** Manufacturing: Manufacturingas-a-Service

Feb 8, 2017 Presenter: Dr. David Hock, Infosim®

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Companies

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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

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History – 1st Phase of the Catalyst

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Smart Industrial Manufacturing: Robotsas-a-Service

In this Callary 3, Dear Duppet runn Enterprise Wrightan 1 Damen Wrights from TV4 out help and for enc-to-end operability from footby-floor automation equipment to a bud systems to mpletely connected through Mr Forum's REGT open dig to AF is This will show dynamic interoportionity posting by annic APIs also heing developed within the TM Forum Collaboration program. Supporting article here.

Champion: TVA Participants: Er LepuseVVet, in osm



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Problem Statement (one-liners)

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- 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.

Problem Significance/ Market Drivers

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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



Ideas for Innovation

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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.