Possibility to utilize and apply Industrial Internet POC & MES Day 7.10.2014

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What is the Industrial Internet of Things (IIoT)?

The Industrial Internet of Things is the universe of intelligent industrial products, processes and services that communicate with each other and with people over a global network.
Significant Value will be Realized from IIoT

Product Makers
- Product as a Platform
- NextGen Products/Services
- Most Valuable Information Provider
- Data Analysis & Recommendations

Asset Owners / Operators
- Preventive Maintenance
- Automation
- Operation Optimization Services
- Reduce Resource cost

Boost Productivity
- Improve Equipment Performance
- Increase Customer trust & loyalty
The Industrial IoT opens up opportunities to upgrade services, improve products and enter new markets.

- **Information Services**
  - GE (Jet engines)
  - Michelin (M: Tyres)
  - Claas (Farming Equipment)

- **Equipment Services**
  - GE: Scheduled maintenance
    - C: Machine automation service
  - M: Tyre as a service
    - C: Remote diagnostics and optimisation service
  - GE: Aircraft fleet optimisation
    - C: Partner in agri info market place

- **Product**
  - GE: Jet engines
    - M: Tires
    - C: Farming Equipment with sensors
  - GE: Jet engines
    - M: Tires with sensors
    - C: Farming Equipment with sensors

- **Pre-digital product line**
- **Digital product line**
- **New markets**
Industrial Equipment companies are using CBM / PAM as the first end to end IIoT application

- **Sensor & collect**
  - Capability to transfer and store sensored data
  - Capability to transfer and store sensored data

- **Service**
  - Capability to define new service and contracts

- **Transfer**
  - Use by other functions e.g:
    - R & D
    - Customer service
  - Capability to transfer and store sensored data
  - Capability to build sophisticated predicative models
  - Capability to generate corrective actions

- **Store**
  - Capability to build sophisticated predicative models
  - Capability to generate corrective actions
  - Capability to build sophisticated predicative models

- **Augment & Analyse**
  - Capability to build sophisticated predicative models
  - Capability to generate corrective actions

- **Action**
  - Capability to define new service and contracts

- **Service**
  - Capability to define new service and contracts

- **Monetise**
  - Capability to define new service and contracts

- **Machine 2 machine capability**
  - Capability to define new service and contracts
**Technologies that will fuel innovation**

**Industrial Software Solutions are key enablers**

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#IIoT