Industrial Internet:
When Innovation meets Strategy

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Industrial Internet domain

- Asset monitoring
- Predictive maintenance
- Critical asset monitoring
- Alerts & events management
- Machine - environment optimization
- Global optimization
- Operations scheduling & planning
- Maintenance operations planning
- Optimization
- Simulation
- Fleet management to enterprise operations
- Logistics

- Optimal control
- Complex systems
- Planning/scheduling
Industrial Internet Environment: The digital heritage paradigm

**Link to Industrial Assets**
Purpose-built Paas platform to support industry needs

**Data and Analytics**
Supports the variety, velocity, and volume of industrial data

**Innovation**
Develop smarter to innovate faster

**End-to-End Trust**
Ensure cyber, informational, and operational security

OT
Predix™
IT

GE Digital
Transforming Industry: Stimulating Alliances and Ecosystem development
GE Digital foundry Concept

Global vs Local Innovation

Industrial Internet Expertise
- Data science
- Cybersecurity
- GE industrial expertise

Software Design & Co-creation
- Design thinking
- Customer co-creation
- Data related problem solving

Training & Production
- Predix Training
- Development
- Services

Ecosystem & incubation
- Ecosystem & academics
- Incubation
- Seed funding
Ecosystem Vision: The French Example

- **Start-ups/Freelance entrepreneurs**
  - INRIA
  - Paris & Co
  - Be Solution
  - Bpifrance

- **Universities & Academics**
  - INRIA
  - PSL
  - Université Paris-Saclay

- **Key clusters / industry groups**
  - Systematic
  - EDF
  - ENGIE
  - Total
  - ALSTOM
  - Systematic cluster
    - 500 SME's, 150 Big Groups, 120 Academics, 22 venturing

- **Global players**
  - GE Digital

- **Region players**
  - Healthcare, O&G, Energy
  - Manufacturing
  - Logistics & Transport
  - Aviation, IoT
  - Services, Security
Some messages

- Innovation and Strategy have to be together
- Governance is crucial (be agile, empathy is important, User Experience..)
- Global vs Local paradigm
- Activate all the Innovation levers (Incubators, Funds of investment, Academics, SMEs, Alliances)
- Being sure to implement the appropriate partnership program
- Be patient and accept some time constant longer than usual
- Concentrate on quick wins to gain legitimacy