



## Complimentary Meeting Notes

**IoT: Boston/New England IoT Meeting Up. April 9, 2014**

**Keynote:** GE Steve Pavlovsky, GE Intelligent Platforms Division Remote Monitoring and Mobility Solution Lead

1. Messages
  - a. Optimize asset and equipment
  - b. Capture and transfer knowledge
  - c. Make sense of industrial data into actionable intelligence
  - d. Run operations anywhere on any device
2. GE Control Architecture
  - a. Analyze data for operational value
  - b. Present data in context and control processes
    - i. OPC-UA
  - c. Transmit and store data
    - i. Profitnet
  - d. Acquire, collect and visualize data in real-time.
3. GE Fastworks Framework
  - a. Experiment, Learn, Iterate
  - b. Idea Labs – commercialize GE patents
  - c. Quest – contest for desired solutions
4. Value in Data
  - a. Own Data – use to improve next generation products
  - b. Share Data – Service and warranty
  - c. Sell Data – enable customer to improve their business
5. Notes
  - a. Connectivity must be secure, trusted and high performance on public networks.
  - b. Consumer electronics have made substantial computing power accessible to many.
  - c. Next generation of workers expect answers at their finger tips
  - d. IoT must drive business insights
  - e. Marry real-time data with real-time performance
6. Key Points
  - a. Architecture Matters
  - b. Experiment, Learn, Innovate

- i. Both commercial and technical frameworks
  - c. Leverage Collaboration
  - d. IoT can be a revolution in productivity
- 7. Key Areas of Focus
  - a. Cloud
  - b. Access (Mobile)
  - c. End-to-end security
  - d. Smart Machines
  - e. Asset Management
  - f. Big Data
  - g. User interfaces

### Panel Discussion

1. Apitronics -- Louis Thiery, Founder and CEO
  2. MachineShop -- Michael Campbell, Founder and CEO
  3. PTC/ Thingworx - Rick Bullotta, CTO, Thingworx
  4. Sensible Baby -- Ben Cooper, Founder and CEO
  5. Xively/ LogMein -- Chad Jones, VP Product Strategy
- 
1. Goal of IoT: Unlock connected value
  2. Make “things” smart
    - a. Smart Cities
    - b. Smart equipment
    - c. Smart Farms
    - d. Etc.
  3. Enabler: Low cost connectivity and low cost distributed CPU power
  4. Internet of Services (Speaker 2) – Service Driven Economy
  5. Build toward standards – but don’t wait.
  6. Too many standards – Cloud Standards, Communication Standards, etc.
  7. APIs are critical enablers (e.g. REST)
  8. Need to break technical and organizational Silo’s
    - a. Eliminate Walled Gardens
  9. Industrial Internet Consortium
  10. Numerous DOD IoT related technologies are being commercialized.