



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.