**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
   1. Optimize asset and equipment
   2. Capture and transfer knowledge
   3. Make sense of industrial data into actionable intelligence
   4. Run operations anywhere on any device
2. GE Control Architecture
   1. Analyze data for operational value
   2. Present data in context and control processes
      1. OPC-UA
   3. Transmit and store data
      1. Profitnet
   4. Acquire, collect and visualize data in real-time.
3. GE Fastworks Framework
   1. Experiment, Learn, Iterate
   2. Idea Labs – commercialize GE patents
   3. Quest – contest for desired solutions
4. Value in Data
   1. Own Data – use to improve next generation products
   2. Share Data – Service and warranty
   3. Sell Data – enable customer to improve their business
5. Notes
   1. Connectivity must be secure, trusted and high performance on public networks.
   2. Consumer electronics have made substantial computing power accessible to many.
   3. Next generation of workers expect answers at their finger tips
   4. IoT must drive business insights
   5. Marry real-time data with real-time performance
6. Key Points
   1. Architecture Matters
   2. Experiment, Learn, Innovate
      1. Both commercial and technical frameworks
   3. Leverage Collaboration
   4. IoT can be a revolution in productivity
7. Key Areas of Focus
   1. Cloud
   2. Access (Mobile)
   3. End-to-end security
   4. Smart Machines
   5. Asset Management
   6. Big Data
   7. 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
   1. Smart Cities
   2. Smart equipment
   3. Smart Farms
   4. 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
   1. Eliminate Walled Gardens
9. Industrial Internet Consortium
10. Numerous DOD IoT related technologies are being commercialized.