Horizontal IoT Platform for Cross-Domain Interoperability

Mahdi Ben Alaya
Founder & CEO

benalaya@sensinov.com
www.sensinov.com

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Background & Vision

• Sensinov is an innovative startup incubated in a large research center in France (CNRS).

• Horizontal IoT Service Platform for cross-domain interoperability based on oneM2M standard.

• Extensible architecture based on our open source project Eclipse OM2M already adopted by several industrials and universities across the world.

• Despite being a young company, we have an innovative heritage, a commitment to open source, an involvement in emerging standards, which has brought us enough customers to sustain operations for the next 3 years.

• Our ambition is to grow exponentially, through investors, strategic alliances and sales partnerships.
Total Addressable Market

Global IoT Opportunity (Source: Machina Research, 2015)
Standards-based IoT Platform

• Global IoT service platform for cross-domain interoperability easing mass-scale deployment in various domains for smart cities, factories of the future, health care, and connected cars.

• Initial focus on Service Providers and Smart Cities.

• Our capabilities make us unique in achieving time to market for our customers through a flexible platform and tools for technology integration.
Interworking Made Easy

• Sensinov intends to become a fast-growing IoT business targeting devices, gateways and cloud applications for mass-scale IoT solutions.

• We help our customers expand their businesses and services independently of the underlying technologies using an integration platform connecting all kind of devices and applications.
Product and Service Positioning

- Application development platform for IoT to quickly connect devices and build secure applications.
- Integration with advanced analytics and connectivity solutions.
- A focus on Standards, Open API and Open Source.

Advanced Analytics

- Device Management
- Basic Analytics & Visualization
- Flexible Storage
- Security & Privacy
- Device Interworking
- Communication Binding
- Cloud / Virtualization
- Application Dev, Tools & API
- Administration & Dashboards
- Integration & Vertical services
Go-To-Market Approach

• Initially targeted markets
  – Smart Cities: Buildings, Water, Energy, Transport, Integration, Mobility, Public services, etc.
  – Service Providers and Operators: platform + associated services and applications

• Deployment:
  – Platform as a Service (PaaS)
  – Commercial and private clouds

• Fully customized and turnkey solution
Partnerships

• We are aiming to have solid partnerships worldwide and win-win engagements that make mutual business sense, while remaining focused on our vision.

• Our goal is to work in regional and strategic partnerships with industry leaders who share a similar vision and believe in the value of IoT.
Current Track Record

• Ongoing projects and customer opportunities
  – H2020 LSP 5 AUTOPILLOT Autonomous Vehicle
  – H2020 LSP 1 Scale-IoT-UP Smart Cities
  – H2020 ECSEL GrIoTe IoT Gateway and Sensor Node
  – Home network equipment specialist (name withheld at this stage)
  – ETSI Development Platform Open Source MANO (OSM)
  – IoT Development Kit for F-Interop

• Open Source
  – Eclipse OM2M (http://eclipse.org/om2m)
Upcoming Events

• Sensinov Keynote and demonstration at IoT Korea Week 2016
  10-14 Oct 2016 at Seoul, Korea

• Sensinov & IBM joint demonstration at oneM2M Showcase Event. “oneM2M Watson IoT and Smart Appliances”
  15-17 Nov 2016 at Nice, France

• Sensinov participation to the 3rd oneM2M Interop Event.
  29 Nov - 02 Dec 2016 at Kobe, Japan
Biography

- R&D engineer at LAAS-CNRS laboratory in Toulouse, France.
- Ph.D in IoT system interoperability
- Founder and CEO of Sensinov startup.
- Vice Chairman of oneM2M Testing Group.
- Co-founder and technical manager of the open source project Eclipse OM2M.

- IoT tutorials in summer schools and universities worldwide including France, Taiwan, and Korea.
- H2020 LSP5 AUTOPILOT (Autonomous Vehicle)
- R&D projects at LAAS-CNRS and Sensinov including ITEA2-USENET, ITEA2-A2NETS, ETSI-OSM, and ETSI-SAREF.
- Authored more than 20 refereed publications in international journals and conferences.
- More than 50 contributions to IoT standards.
Thank you for your attention.

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