



Sierra Wireless
Innovation Summit
2016

Discover, discuss and test tomorrow's IoT technologies and network
with one of the most active IoT business and developer communities.

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Innovation Summit 2016



Create Value with the Internet of Things

Alexis Morlière

Cloud & Connectivity Services Sales Manager



Value Definition

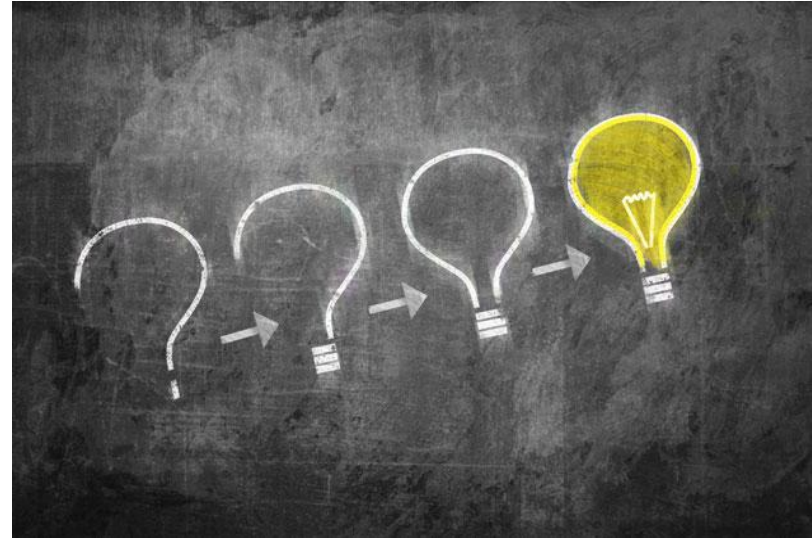
“The extent to which a good or service is perceived by its customer to meet his or her needs or wants, measured by customer's willingness to pay for it.”





Innovation Definition

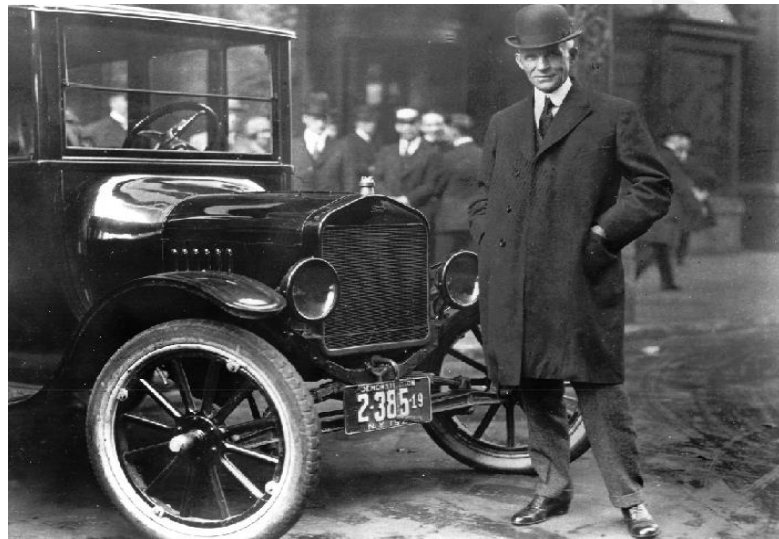
“The process of translating an idea or invention into a good, method or service that creates value for which customers will pay.”



Innovation & Value are closely tied

« If I had asked people
what they wanted they
would have said faster
horses »

Henry Ford (1863 – 1947)





Value is what you get on top of costs





The promise of the Internet of Things



\$6.2T

Estimated potential economic impact of The Internet of Things in 2025, range from \$2.7 – 6.2 trillion annually

– McKinsey Global Institute

BUSINESS INSIDER

Business Insider Intelligence estimates that by 2019 \$1.7 Trillion of value will be added to the world wide economy in the form of revenue and cost savings.

– Business Insider Intelligence



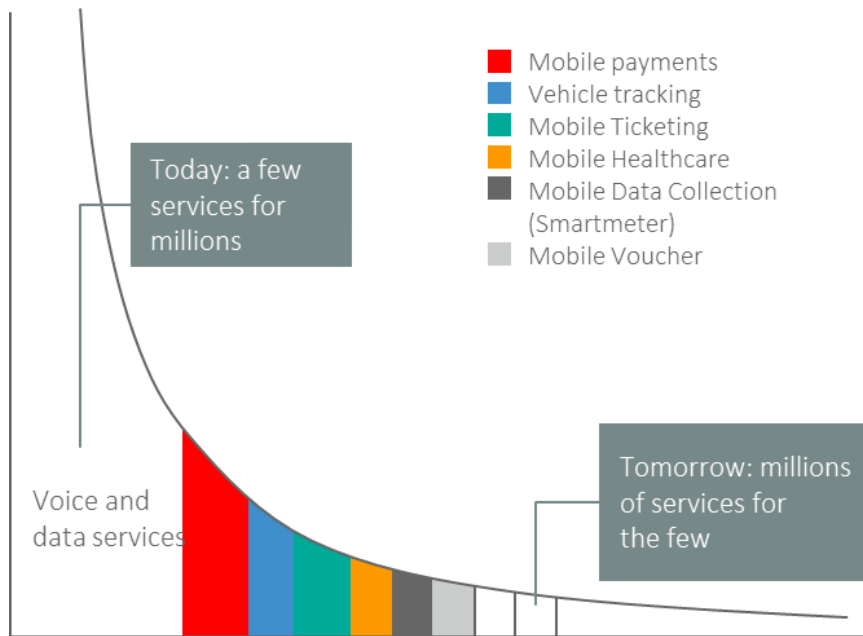
The promise of the Internet of Things





The market trend

There is no mass market anymore; it's a market of mass niches instead





What is the Internet of Things



Device that combine Hardware, Software, processors, sensors & connectivity



Wired or Wireless network infrastructure



Data processing infrastructure, Analytics, Business applications

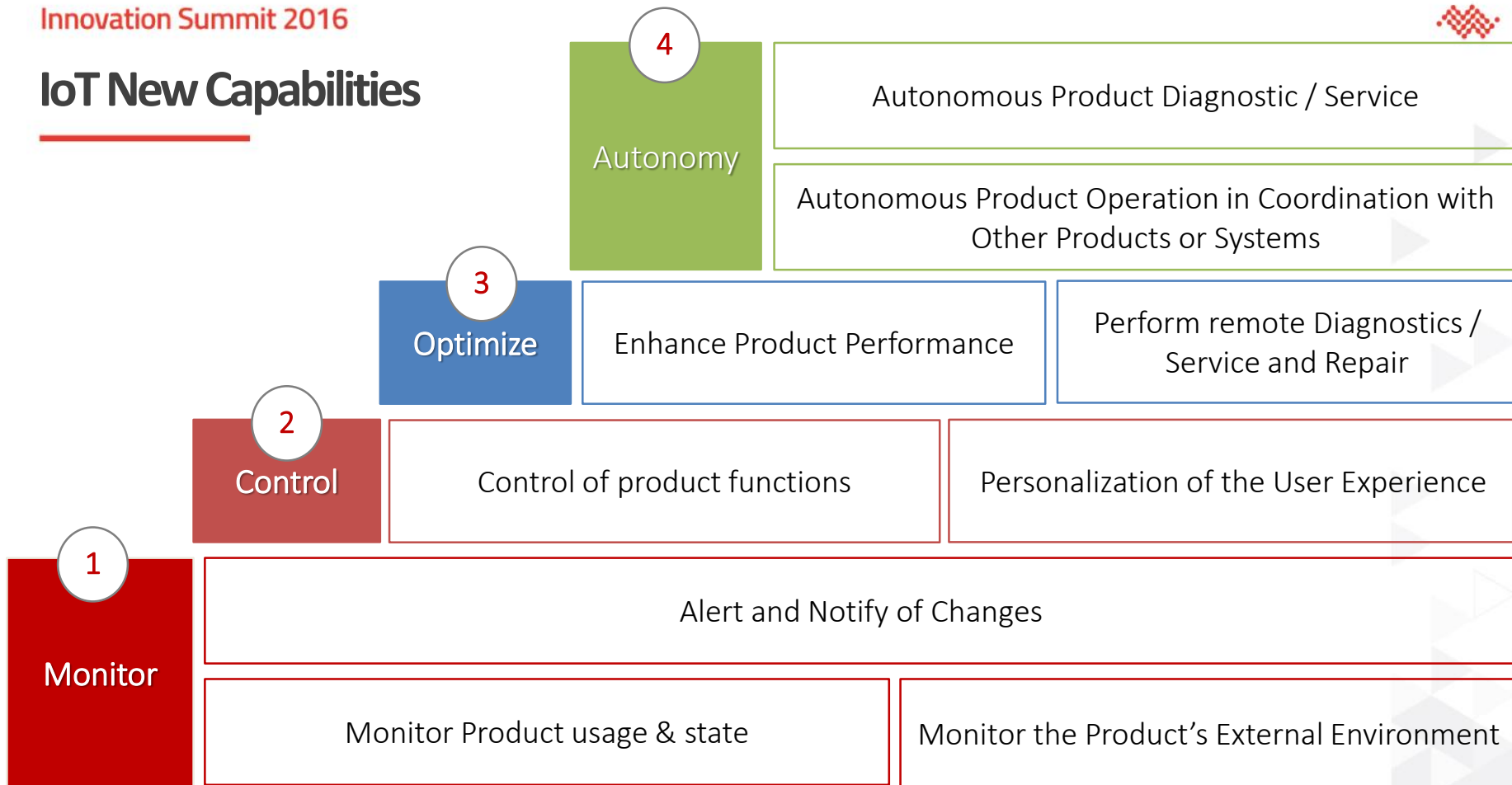
Low Cost captors

Affordable connectivity

Analytical capabilities



IoT New Capabilities





IoT Value Throughout the Enterprise





The power of data

Number of printed copies
data

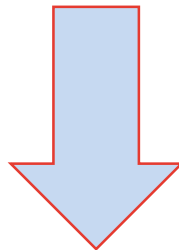


- Service & maintenance
- Sales & Marketing
- Engineering & R&D
- Top Management
- Finance

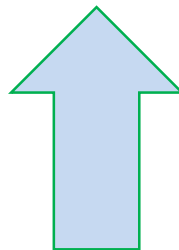


The power of data

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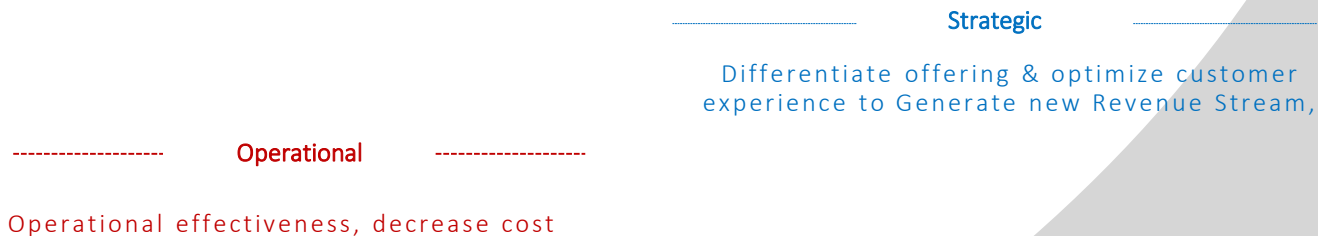
- Service Costs
- Equipment Downtime



- Innovation
- Revenue & Profit margin
- Business Intelligence
- Customer Satisfaction



The IoT Value Curve



<u>Service & Support</u>	<u>Product Development</u>	<u>Customer</u>	<u>Marketing & Sales</u>
<u>Warranty Management</u>	<u>Quality Monitoring</u>	<u>Enhanced customer experience</u>	<u>Value added services</u>
<u>Proactive Maintenance</u>	<u>Product Usage Monitoring</u>	<u>Self-service</u>	<u>Usage Based Pricing</u>
<u>Product tracking & Monitoring</u>	<u>Embedded Software Management</u>	<u>Fleet Management</u>	<u>Business Insight</u>

VALUE

TIME



The top 4 IoT challenges





The top 4 IoT challenges

Complexity



Longer time
to Market &
increase
risks of
failure



The top 4 IoT challenges

Loading...





The top 4 IoT challenges

Time To
Market



Increase
development
cost – Missed
opportunities





The top 4 IoT challenges





The top 4 IoT challenges

Scalability,
Reliability
&
Security



Increase
Time To
Market
Higher TCO





The top 4 IoT challenges





The top 4 IoT challenges

Return On
Investment



No initial
funding
No pay back



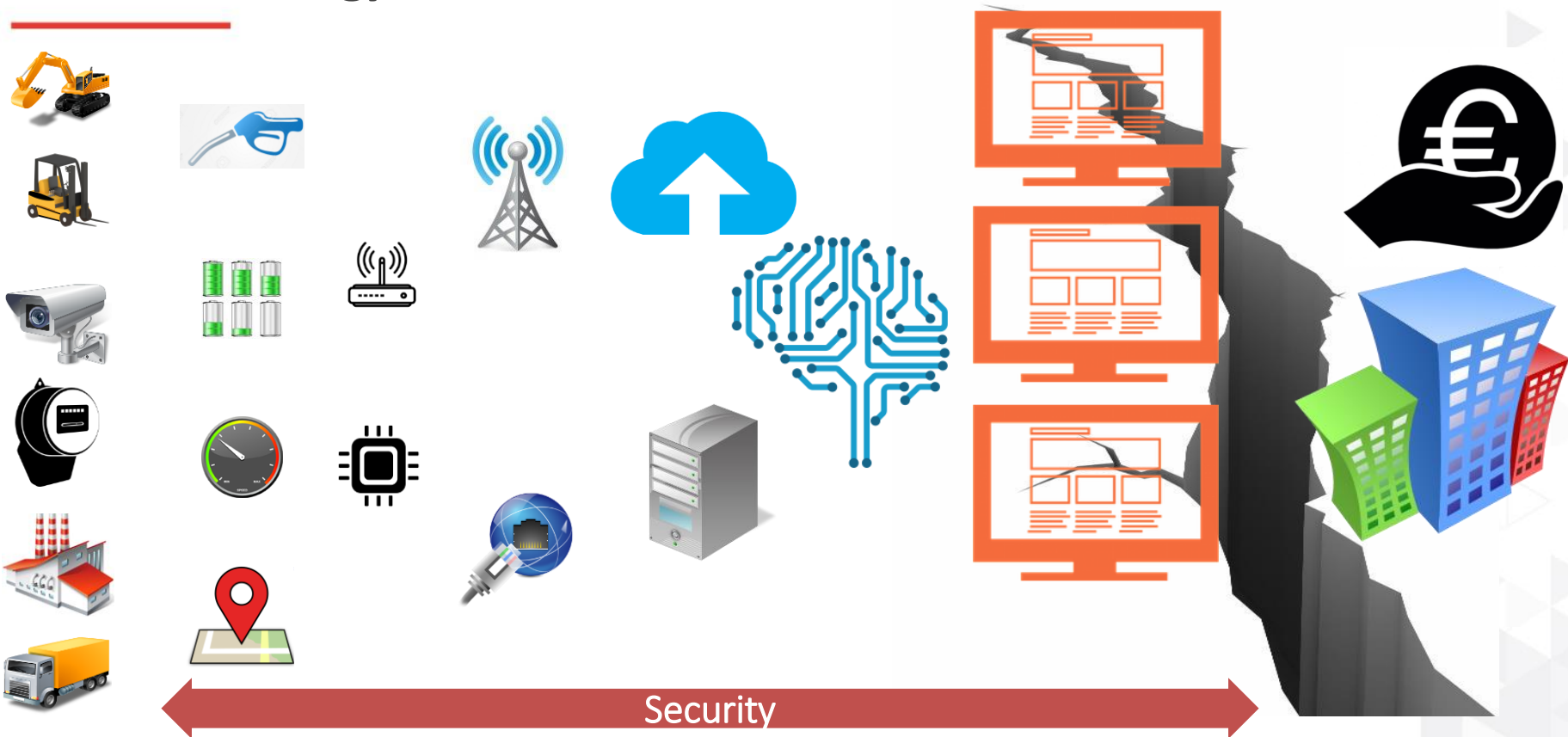


The IoT Technology Stack (Simplified)





The IoT Technology Stack





The Iceberg of Things



Business value perceived
by the customer / user

The actual required activities
/ Technologies
to do in order to get
the business value realized



The Iceberg of Things



- Business Application development

- Business Value Identification
- Use Case Definition
- Device & Data Management
- Connectivity Services Management
- Connectivity Services network
- Communication Protocol
- Security Encryption
- Connectivity Hardware integration
- Sensors
- Database & Infrastructure
- API
- Back-end system integration
- SLA



The Iceberg of Things

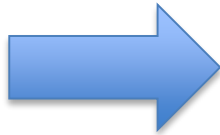


- Business Application development

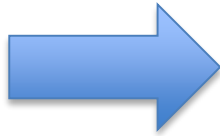
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A clear & mesurable business case



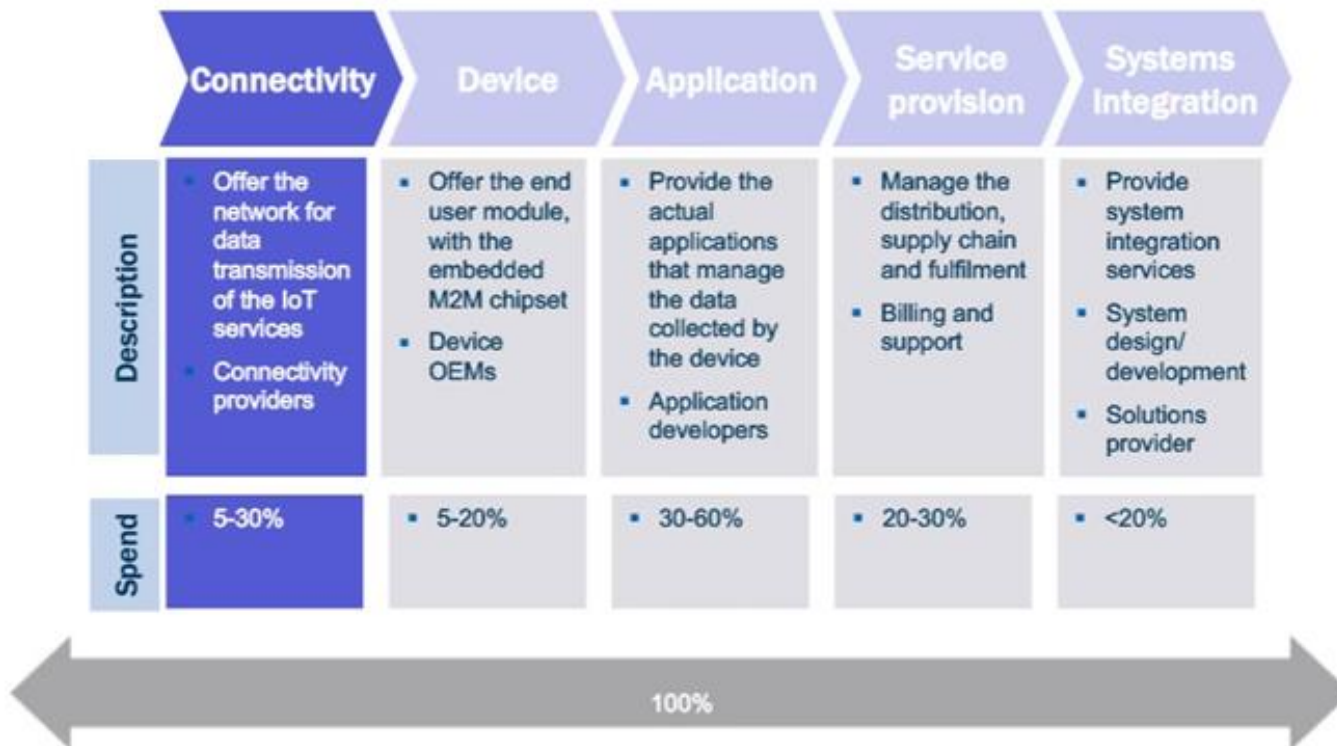
In which way those datas will help me being more efficient and /or reduce costs



In which way those datas will help me generate new revenue stream



Connectivity is an important TCO contributor

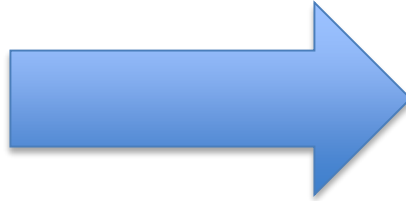




Connectivity is an important TCO contributor



NO
DATA AVAILABLE





Connectivity is not just about money



NO
DATA AVAILABLE



~~SAVE LIVES~~

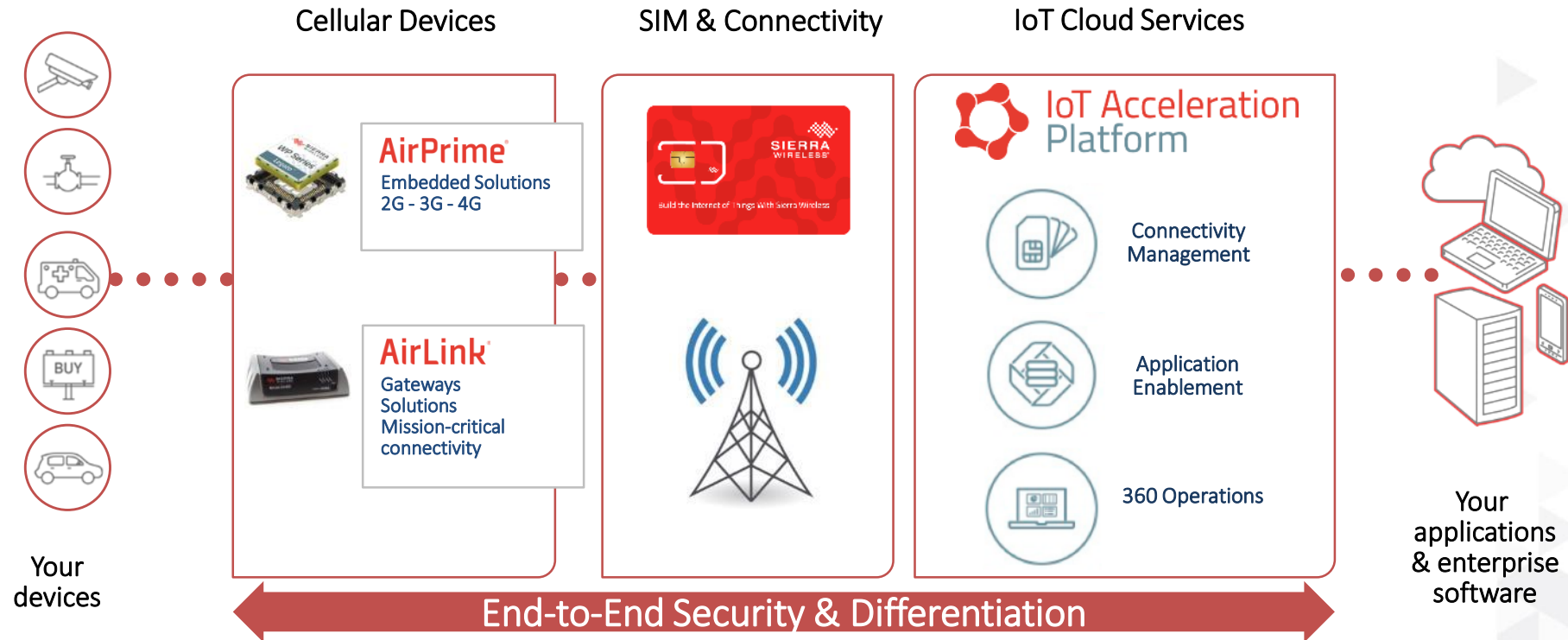


The IoT Technology Stack

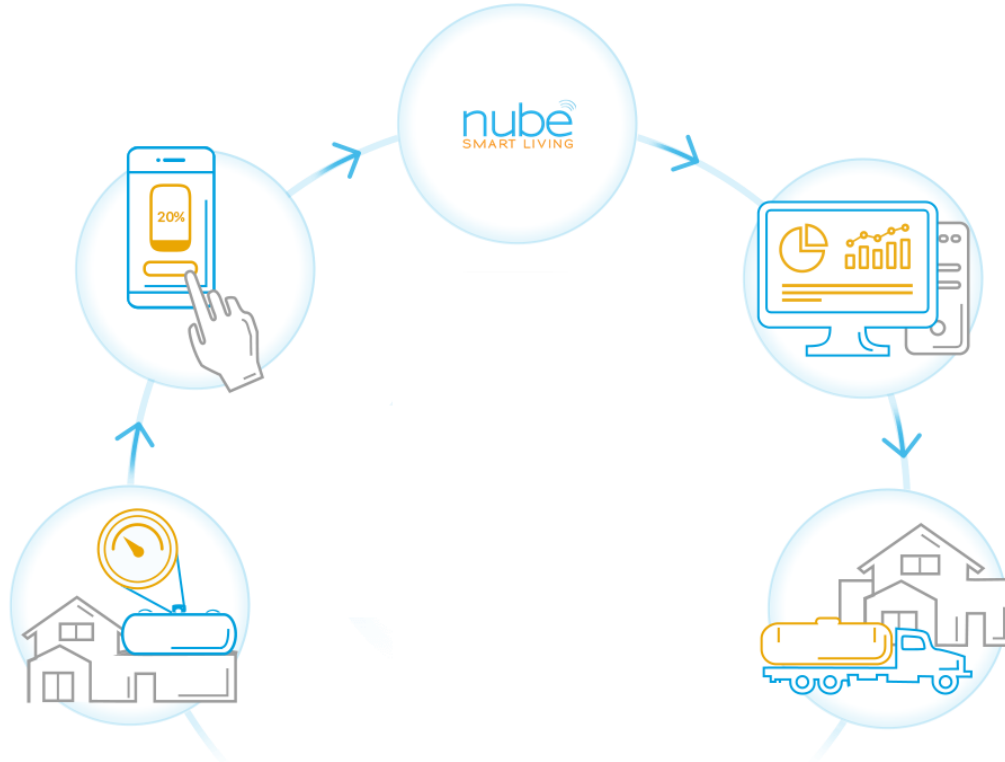




Sierra Wireless end-to-end solution



Reale Life experience





Reale Life experience



devices



AirPrime
Embedded
Modules

connectivity



Sierra
Wireless
Smart SIM

platform



IoT Acceleration
Platform

- Gas levels
- Consumption
- Alerts
- Orders

- Payment Status
- History
- Analytics



Customer Benefits

- Improved user experience
- Improved operations efficiency
- Optimized installation & maintenance cost
- Scalable



Reale Life experience

Challenge



Customers

- Moving to a predictive maintenance model improves machine up-time



Veolia

- Deliver a more cost effective service with a better user experience for the customer
- Time-to-market pressure and lack of internal expertise

Veolia Water



- Global Fortune 500 company based in Paris, France
- Delivers water purification systems to medical labs, pharmaceutical manufacturers and healthcare facilities

Sierra Wireless Device-Cloud Solution



devices



AirLink
Gateway

connectivity



Sierra
Wireless
Smart SIM

platform



IoT Acceleration
Platform

- Purified Volume
- Filter status
- Predictive Maintenance

- Alerts
- Service Schedules

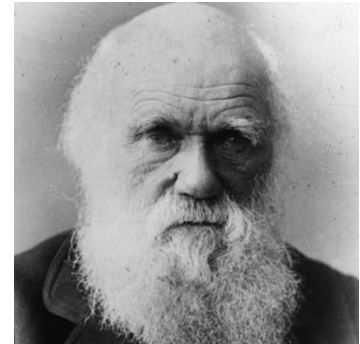




Conclusion

« It is not the strongest of the species that survives, nor the most intelligent, but the one most responsive to change »

Charles Darwin

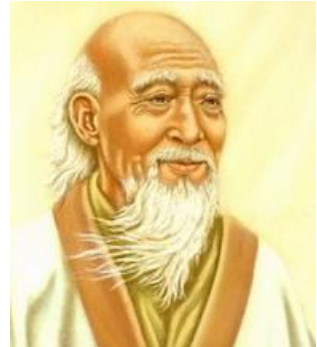




Conclusion

The journey of a thousand miles begins with one step.

Lao Tzu – III century BC



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Thank you