

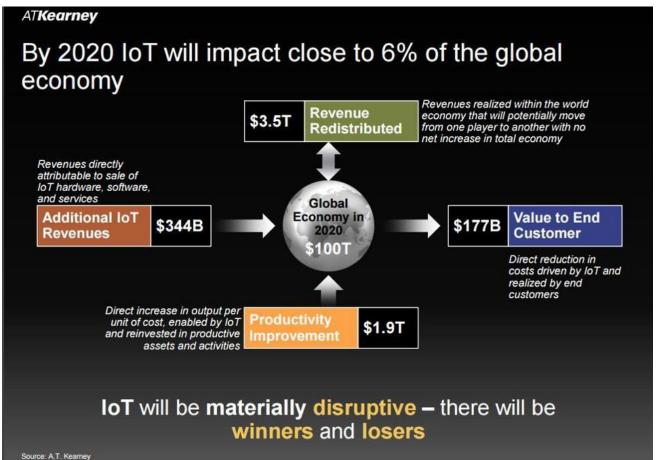


IoT – State of the Market



IoT Role in Global Economy in 2020



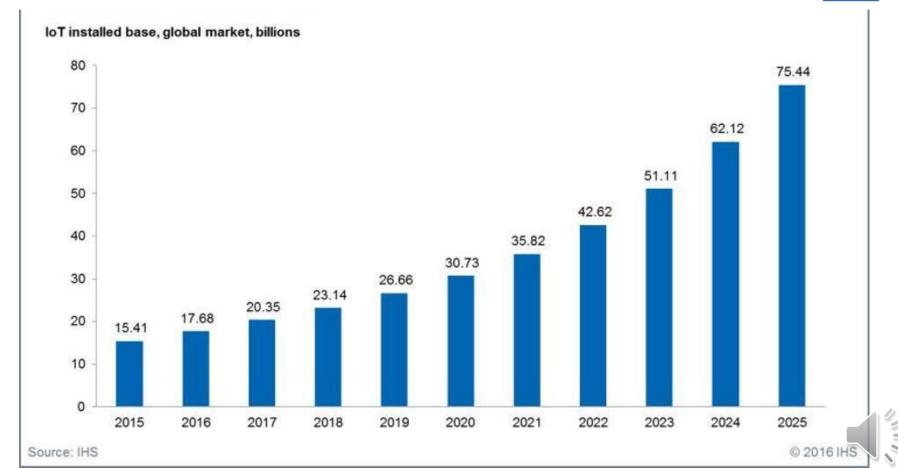




Spirent Communications

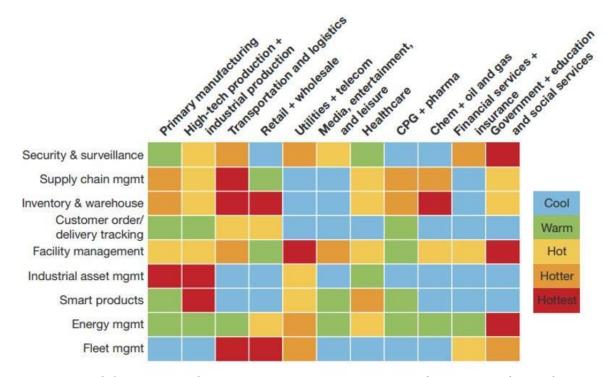
IoT Installed Devices Forecast





Potential of IoT Deployments – Cool, Warmer, Hot





Heat Map Of Key IoT Opportunities Varies By Industry And Application Source: Forrester Research





Delivering IoT Solutions – Step by Step Guide







IoT Security



- Authentication, Authorization
- Data protection and encryption
- Key and Certificate Management
- Robustness and resiliency of HW, SW and overall design
- Physical security
- Communication/network access security
- Threat Management
- Remote (OTA) upgrades and updates



Develop – Sea of Standards, Technologies and Protocols



Service Platform

Connectivity

Platform Application

Presentation

Session





















Network



















Physical





THREAD GROUP









Assure



- Security
- Testing
 - Performance
 - Conformance
 - Service Acceptance
 - Certification
 - Interoperability
- Pre-deployment provisioning
- Regulatory Compliance
- Localization





Deploy



- Security
- Authentication/Authorization
- Installation
- Provisioning
- Billing/Pricing
- Connectivity management
- Compliance/Regulations
- Testing, diagnostics and monitoring





Manage



- Security
- Control
- Administration
- Data processing
- Analytics
- Connectivity and subscription management
- OTA upgrades and updates
- Billing
- Testing and diagnostics







IoT End to End Enablement Solution





IoT Management Cloud



IoT Management Portal

Service Assurance & Analytics Test Suites & Automation

Subscription & Device Management

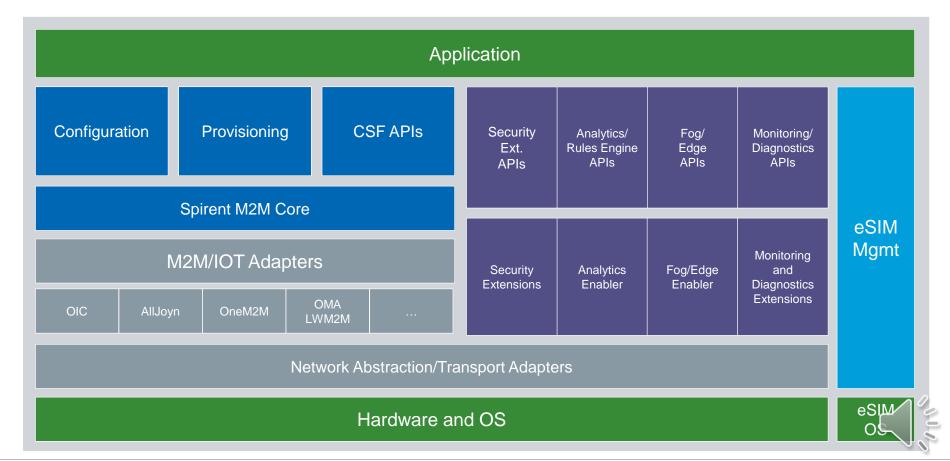
Connectivity & Network Architecture Aggregation





IoT Device Framework – Full Architecture





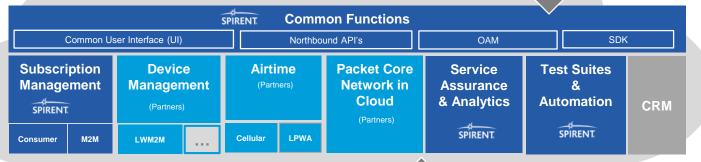
IoT Management Cloud &

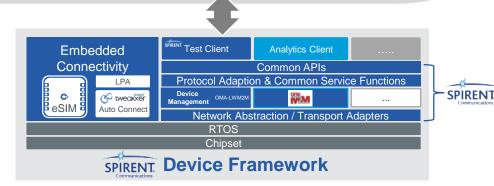
Device Framework





IoT Management Cloud





Worldwide

connectivity



Device Framework

Software library

Summary: IoT Solution Delivery



Securely:

- Develop
- Assure
- Deploy
- Manage





Questions?

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Thank you!

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