The Internet of Things As a Driver for New Big Data Applications

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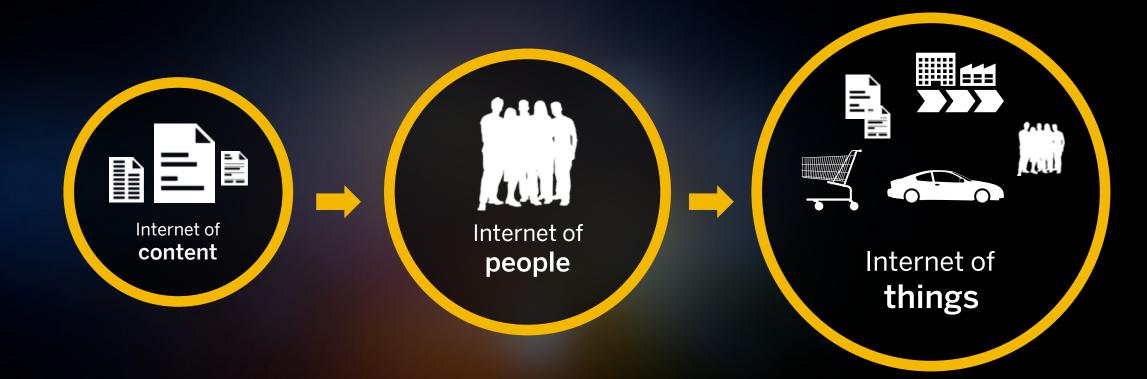
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The Internet of Things Changing business – and life – as we know it

2013 9 billion connected things

2020 50 billion connected things

Connecting information, people, and things



What is "The Internet of Things?"

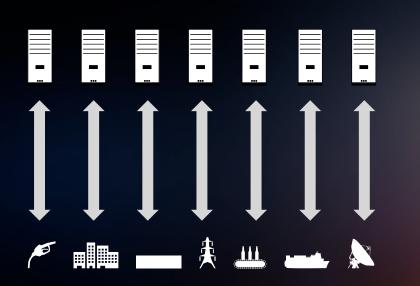


The physical world is becoming a type of information system through sensors and actuators embedded in physical objects and linked through wired and wireless networks via the Internet Protocol.

Source: McKinsey & Company, June 2013

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Towards the Internet of Things



M2M

Transformation

- Multi-purpose devices
- Service enablement
- Web paradigm

Benefits

- Apps migrate to cloud
- Standardization driven

Cost efficient devices

Reaching the long-tail Business inter-connect

Viable device deployments

Large developer community New roles in the value network

Open market place of data and info



Applications App Enablement Device Mgmt Connectivity Devices



ΙοΤ

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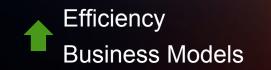
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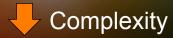
Internet of Things Transformation

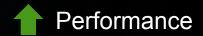
Real-time Transparency

loT Platform

IT – OT Convergence





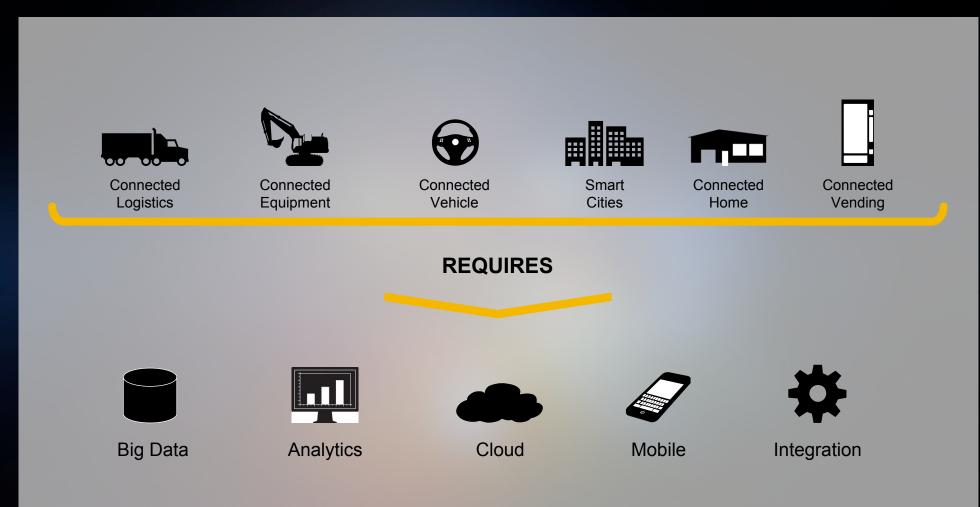


IoT Technology Scope

Applications	SAP	Analytics		SAP
Application Enablement	 Develop, Deploy & Run Application Integration 	 Application Services Event Processing 	 Cloud Services Machine Data Collection 	Security 👸
Device Management	ConfigurationMonitoring	 Software Management 	Access Device Lifecycle	
Connectivity	Network	 Network Connectivit Management 	ty Partne	er
Hardware	 Embedded Hardware 	 Communication Modules 	Partn	er
IoT Services			Derived from IDC's Worldwide M2	M Taxonomy

Globally Networked Economy

Enabling Technologies beyond IoT



For Customer Street Stre

In-Memory

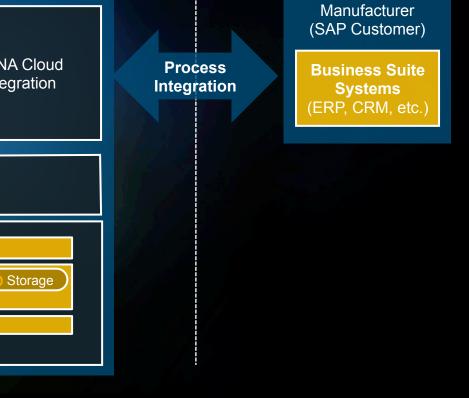
Engines

Extended Storage

Streaming

HANA Big Data Platform

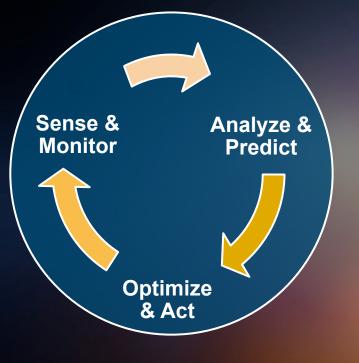
The IoT Platform



IoT Applications

Networked Logistics

Container ManagementAutomatic Guided VehiclesSupply Chain Visibility



Networked Assets

- Remote Service Management Predictive Maintenance
- Usage-based Billing

Networked Buildings

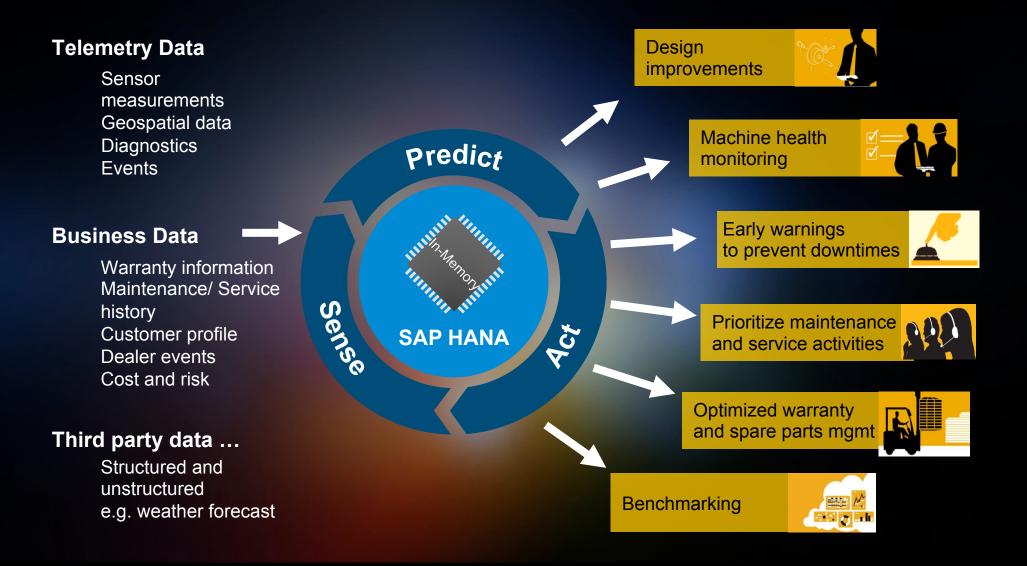
- Smart Meters
- Facility Management
- Home Automation

Networked Vehicles

- Fleet Management
- Electric Vehicle Charging
- Smart Parking

Gain completely new insights from your equipments

Monitor sensor data to analyze and predict asset malfunctions







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Thank you.

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