



SAP Leonardo Live

Not just another business conference

Internet of Everything

Speaker's Name, SAP

PUBLIC

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**“When wireless is perfectly applied
the whole earth will be converted
into a huge brain, which in fact it is,
all things being particles of a real
and rhythmic whole....”**

Nikola Tesla (1926)

SAP for the digital business

Run
SAP Cloud
Applications

Supplier
Collaboration

Customer
Experience

Digital Core

Business
Transactions

Intelligent
Insights

Win
SAP Leonardo

Workforce
Engagement

Assets &
Supply Chain

SAP HANA

SAP Cloud Platform

SAP Leonardo

Digital Innovation System

Solution Ideation
& Vision

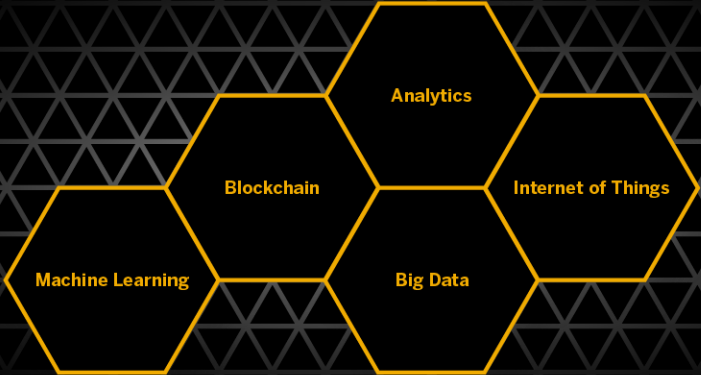
Rapid
Prototyping

Business Case
Development

Technology
Blueprint

SAP Leonardo
Capabilities

Design Thinking
Services



SAP Cloud Platform

Microservices | Open APIs | Flexible Runtimes | Integration

Multi-Cloud Infrastructure

SAP Data Center

 Google Cloud Platform

Microsoft Azure

 amazon
web services

SAP plans to invest €2 billion in IoT by 2020

ZDNet



WINDOWS 10

CLOUD

INNOVATION

SECURITY

APPLE

MORE »

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SAP allots \$2 billion for IoT investments,

“With billions of connected devices, we now have the potential to reshape society, the economy and the environment,” said Bill McDermott, CEO of SAP. “SAP HANA is the data platform we knew would unlock the Internet of Things. Today SAP is making another bold investment to help our customers seize the benefits of live business. Only SAP empowers businesses to innovate from the core to the edges to the networks.”

Things by 2020

The Internet of Things and the connected “MGC” architecture



Sensors
Things*
Machines
Buildings
Vehicles



Intelligent edge



SAP Cloud
Platform

*Smartphone carrying consumer included

Things (eMbedded):

Industrial, government, and consumer machinery and devices with embedded sensors and other industrial sensors

Gateway:

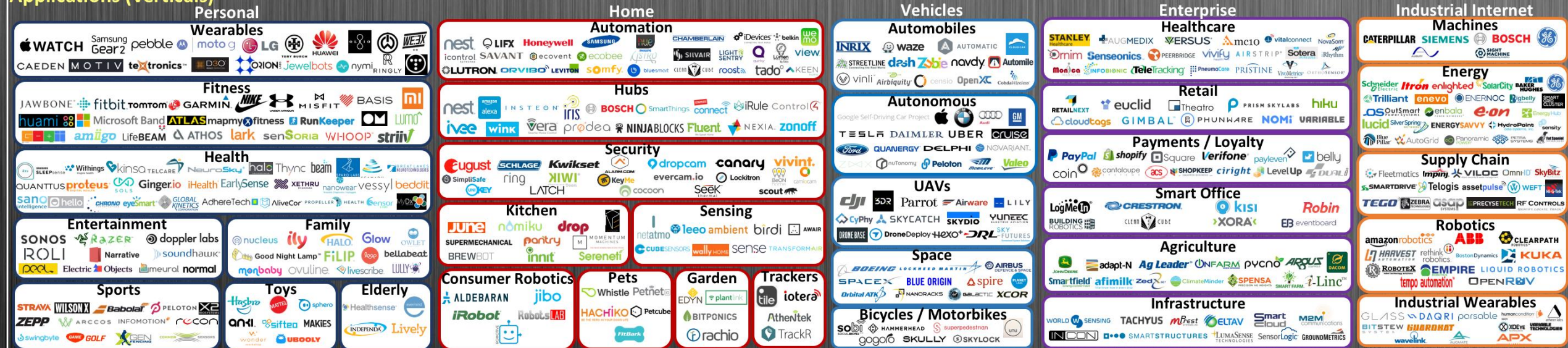
Industry PC, router, Raspberry PI, smartphone/tablet, local PC

Center:

Big Data ingestion, storage, analysis, and application platform (cloud, on premise, hybrid)

Internet of Things Landscape 2016

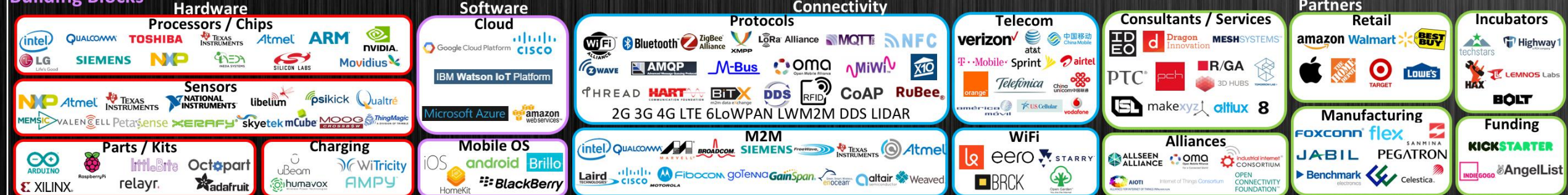
Applications (Verticals)



Platforms & Enablement (Horizontal)



Building Blocks



SAP and the Internet of Things value proposition



Sensors
Things*
Machines
Buildings
Vehicles



Intelligent
edge



SAP Cloud
Platform

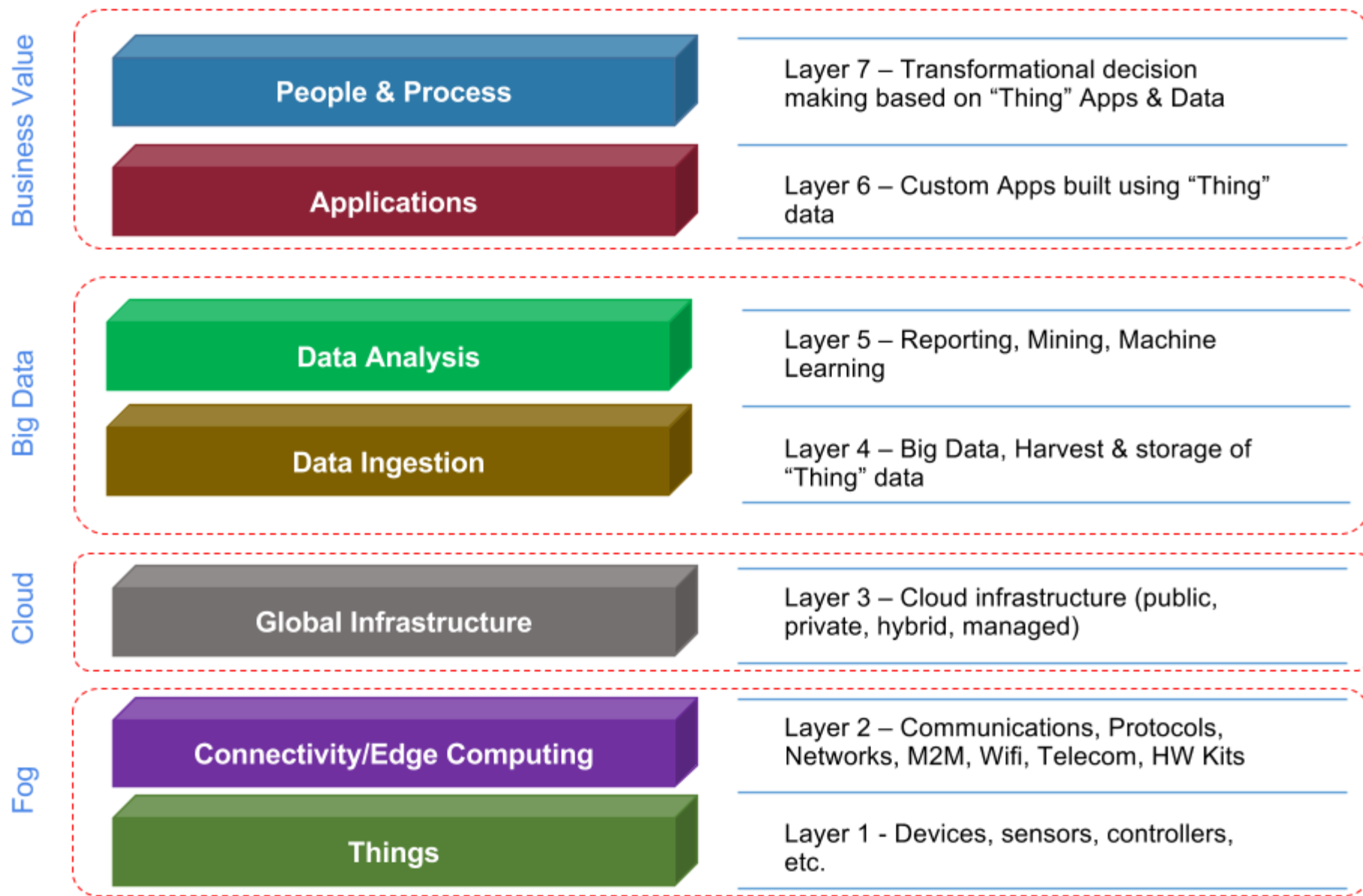


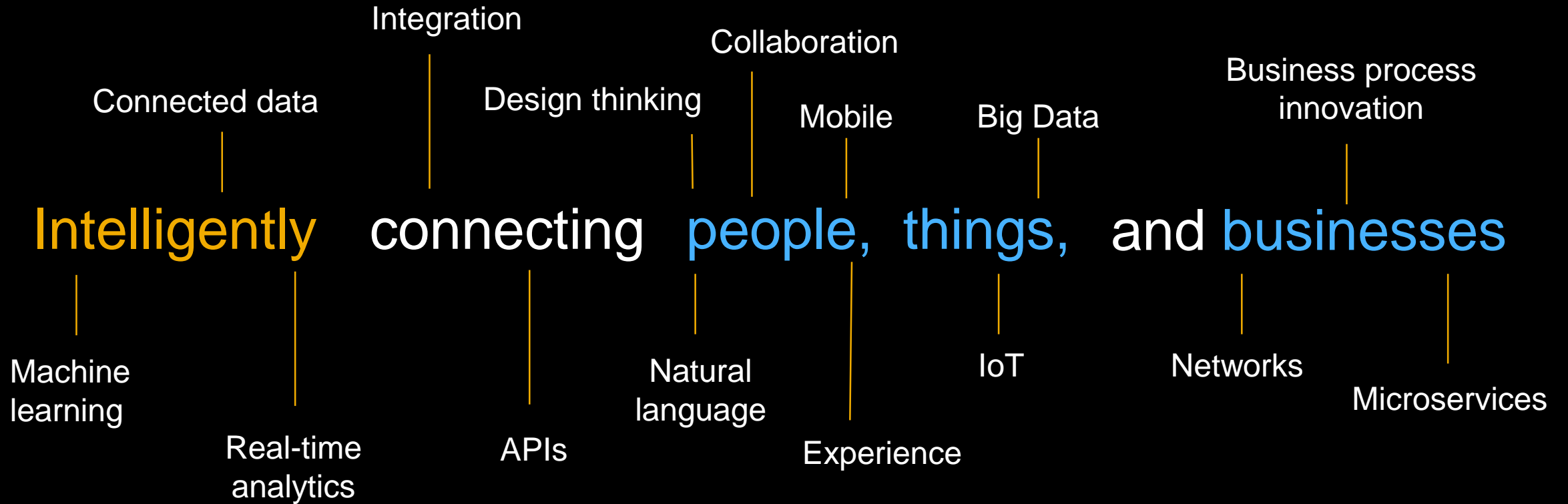
Business
software
SAP
S/4HANA

*Smartphone carrying citizens included

SAP Leonardo Internet of Things capabilities offer native integration to business systems of record across the complete industrial/government value chain and business processes covering manufacturing, product, operations, suppliers, customers/citizens, and employees.

7 Layers of the Internet of Things (IoT)





SAP Leonardo IoT Bridge

Connected Products



Product Insights

Goods And Equipment

Supply Networks

Connected Assets



Fixed Asset Insights

Manufacturing Execution

Manufacturing Networks

Connected Fleet



Mobile Asset Insights

Logistics Safety

Logistics Networks

Connected Infrastructure



Building Insights

Construction

Energy Grids

Connected Markets



Market Insights

Rural Areas

Urban Areas

Connected People



People And Work

People And Health

People And Homes

SAP Leonardo
IoT Edge

SAP Leonardo IoT Foundation

SAP Cloud Platform / SAP HANA platform

SAP Leonardo IoT Bridge

Connected Infrastructure



Building Insights

Construction

Energy Grids

Connected Markets



Market Insights

Rural Areas

Urban Areas

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People And Work

People And Health

People And Homes

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People And Work

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Homes

SAP Leonardo IoT Bridge

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Product Insights

Goods And Equipment

Supply Networks

Connected Assets



Fixed Asset Insights

Manufacturing Execution

Manufacturing Networks

Connected Fleet



Mobile Asset Insights

Logistics Safety

Logistics Networks

Connected Infrastructure



Building Insights

Construction

Energy Grids

Connected Markets



Market Insights

Rural Areas

Urban Areas

Connected People



People And Work

People And Health

People And Homes

SAP Leonardo
IoT Edge

SAP Leonardo IoT Foundation

SAP Cloud Platform / SAP HANA platform

- Digital enterprises close the loop from “things to outcomes” for customers, consumers, and citizens.
- Digital enterprises synchronize “shop floor and top floor” for employees/partners.
- Digital enterprises create “digital” products and services leveraging design thinking.
- Digital enterprises work within and leverage an ecosystem.
- Digital enterprises will reshape society, the economy, and the environment disproportionately.



SAP Internet of Things Community

SAP HANA is the data platform SAP knew would unlock the Internet of Things. With billions of connected devices, we now have the potential to reshape society, the economy and the environment. Only SAP empowers businesses to innovate from the core to the edges to the networks to get from Things to Outcomes.

Join us on this community to engage, interact and educate each other about the IoT.

THE community for SAP Leonardo on the public Web

www.sap.com/community/topic/internet-of-things.html

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December 1, 2016
[Alex Liu](#)



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