

2019

# Netcoreconf

Sexo, Sphere y Rock & Roll

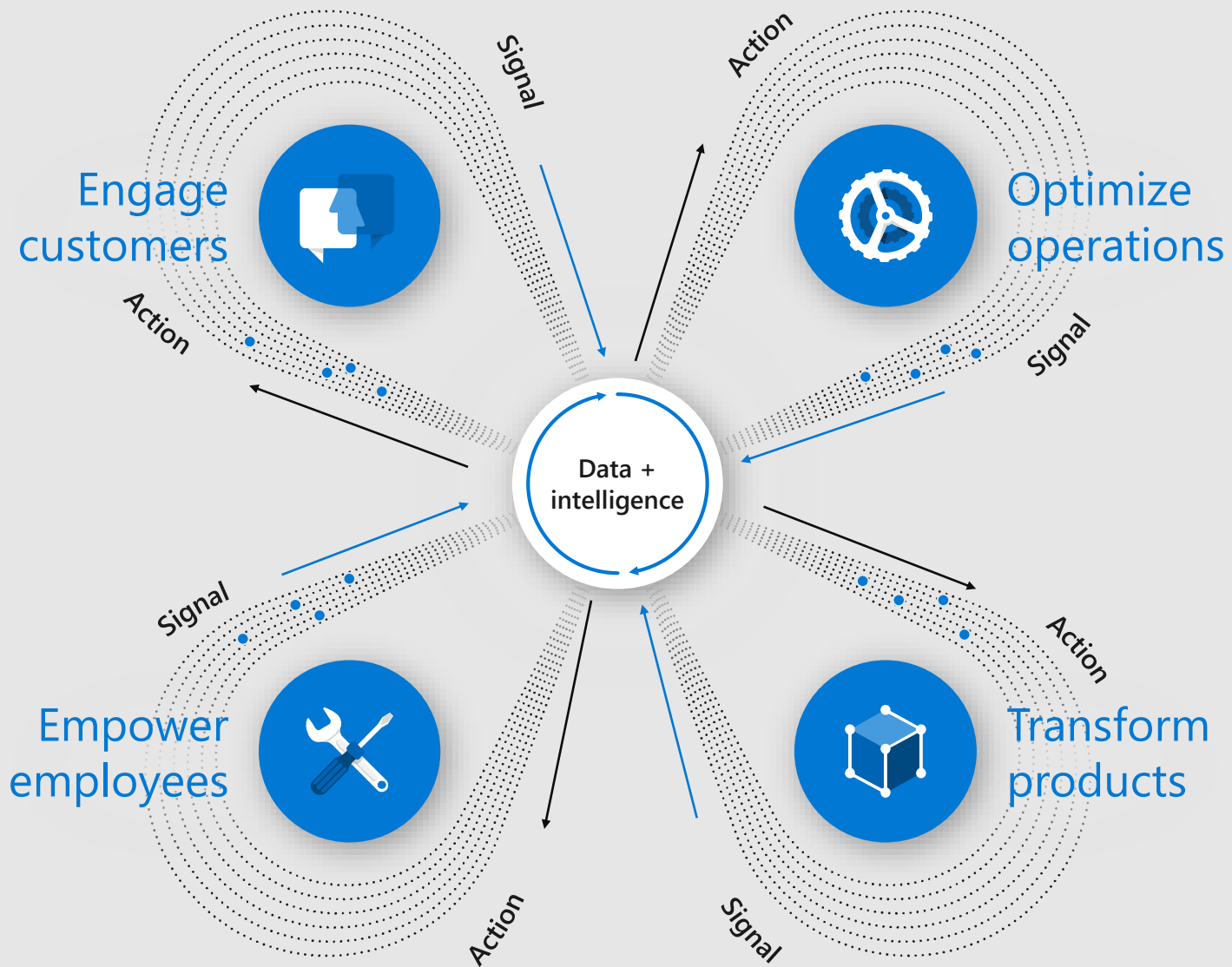


Javier Menéndez **Pallo**

Disruptive Solutions Manager - Insight

@JavierPallo





**80B**

Connected “things” by 2025  
generating 180ZB of data



**\$130B**

New monetization avenues  
due to IoT-related services



**80%**

Companies that increased  
revenue as a result of IoT  
implementation



**\$100M**

Average increase in  
operating income (avg. 8%)  
among the most digitally  
transformed enterprises

## Cloud



Globally available,  
unlimited compute  
resources

## IoT



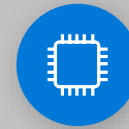
Harnessing signals from  
sensors and devices,  
managed centrally  
by the cloud

## AI



Breakthrough intelligence  
capabilities, in the cloud  
and at the edge

## Intelligent Edge



Intelligence offloaded from  
the cloud to IoT devices

## Cloud



Globally available,  
unlimited compute  
resources

## IoT



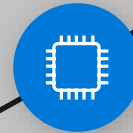
Harnessing signals from  
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## AI

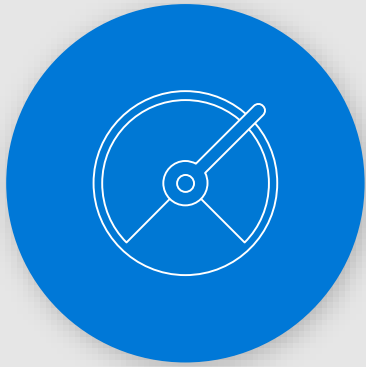


Breakthrough intelligence  
capabilities, in the cloud  
and at the edge

## Intelligent Edge



Intelligence offloaded from  
the cloud to IoT devices



**Productive**



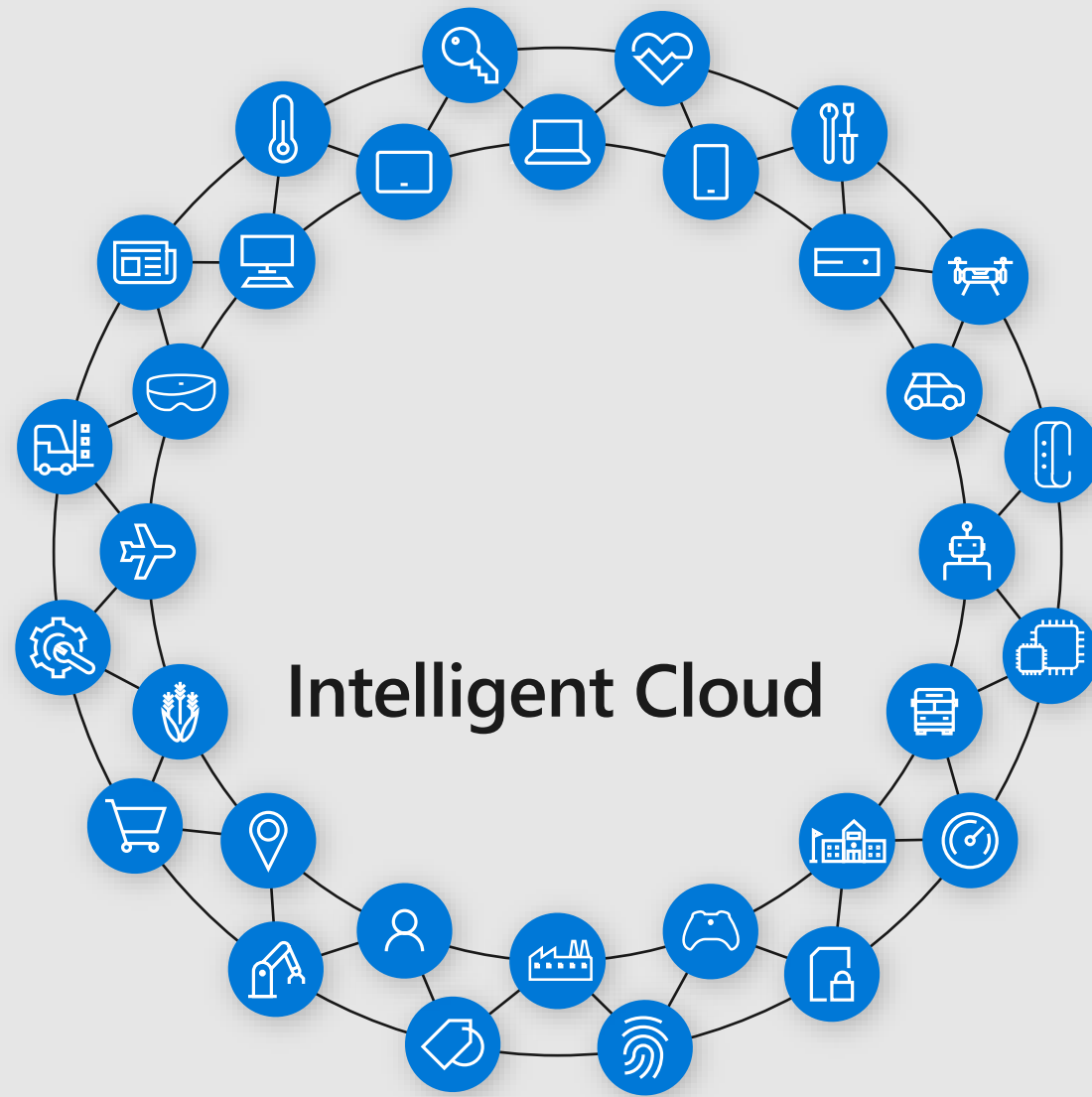
**Hybrid**



**Intelligent**



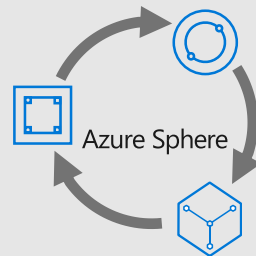
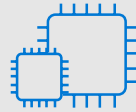
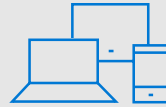
**Trusted**



Intelligent Cloud

Intelligent Edge

# Azure IoT solutions and services



## Azure IoT Edge

Use | Solutions

Build your own | Platform

## SaaS

### Managed Solutions



IoT Central



Connected Field Service

### Solution Accelerators



Remote monitoring



Predictive maintenance



Connected factory

...

### Device Support



Azure IoT Hub

### Data & Analytics



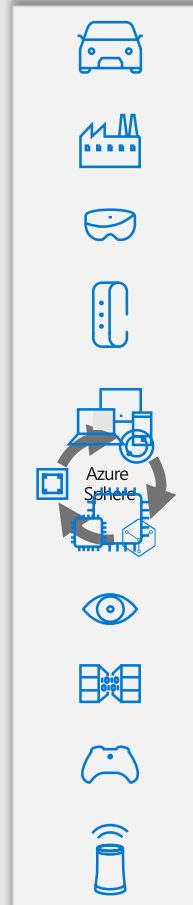
Azure Time Series Insights

### Visualization & Integration



Azure Logic Apps

## IoT Edge



Partner Solutions





# Azure IoT Hub



Establish bi-directional communication with billions of IoT devices



Enhance security with per device authentication



Provision devices at scale w/ IoT Hub Device Provisioning Service



Manage devices at scale with device management



Multi-language and open source SDKs

# Azure IoT Hub Device Provisioning Service

## Azure IoT Hub Device Provisioning Service

Register and provision devices with zero-touch in a secure and scalable way

Simple "plug and play" provisioning

Minimize manual connection requirements

Enhanced security through HSM

Global availability





# Azure IoT Edge



Move cloud and custom workloads to the edge, securely



Seamless deployment of AI and advanced analytics



Configure, update and monitor from the cloud



Compatible with popular operating systems



Code symmetry between cloud and edge for easy development and testing



Secure solution from chipset to cloud



# Azure Time Series Insights



IoT scale time-series data store



Schema-less store, just send data



Easy IoT Hub connection



Store, query and visualize billions of events



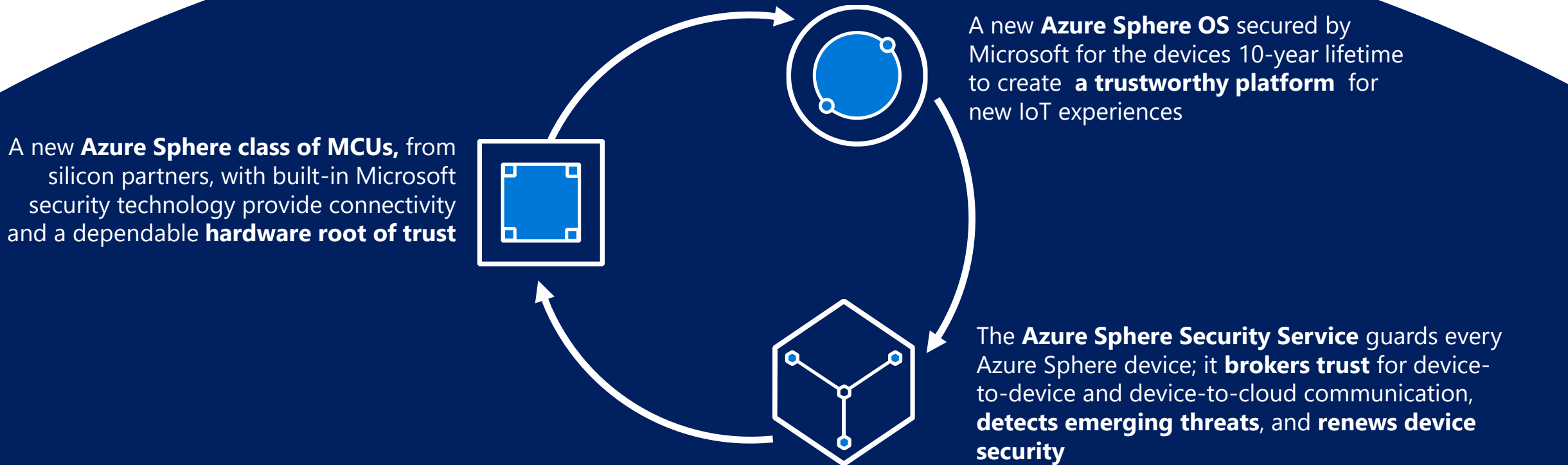
Get near real-time insights in seconds



Build apps using Time Series Insights APIs

# Azure Sphere

An end-to-end solution for securing MCU powered devices



## Security

Every device built with Azure Sphere is secured by Microsoft. For its 10 year lifetime

## Productivity

The Azure Sphere developer experience shortens OEM time to market

## Opportunity

Azure Sphere empowers OEMs to create new customer experiences and business models





# Azure IoT Central



Fully hosted and managed by Microsoft



No cloud development expertise required



Device connectivity and management



Monitoring rules and triggered actions




User roles and permissions



Analytics, dashboards and visualization



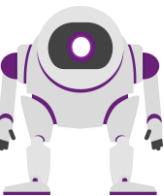
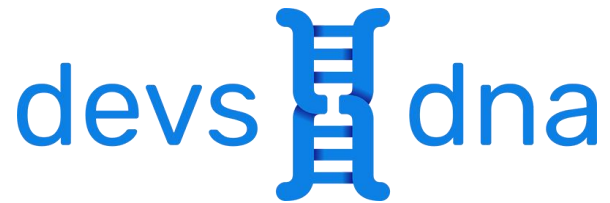
Risk-free trial with simplified pricing



# **DEMOs**

## **IoT Hub & IoT Central**

# Sponsors







Más información:

[info@netcoreconf.com](mailto:info@netcoreconf.com)  
@Netcoreconf

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