

2 x 3: Die Formel für den Mehrwert und den Erfolg von IoT

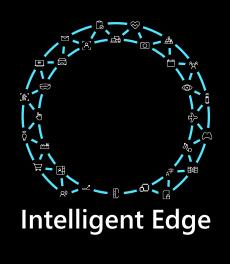
Thomas Frahler
Business Lead IoT, Microsoft

Dr. Matthias Massing, Manager Business Development IoT, All for One Group

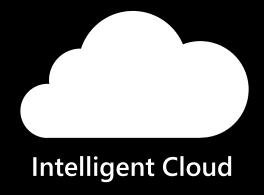


Intelligent Edge

Solutions that span cloud and edge



IoT
Edge Computing & 5G
Al
Digital Twins



Solutions

The Evolution of Connected Solutions

Today
Connected Assets



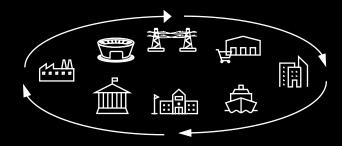
Emerging Connected Environments



Future Connected Ecosystems

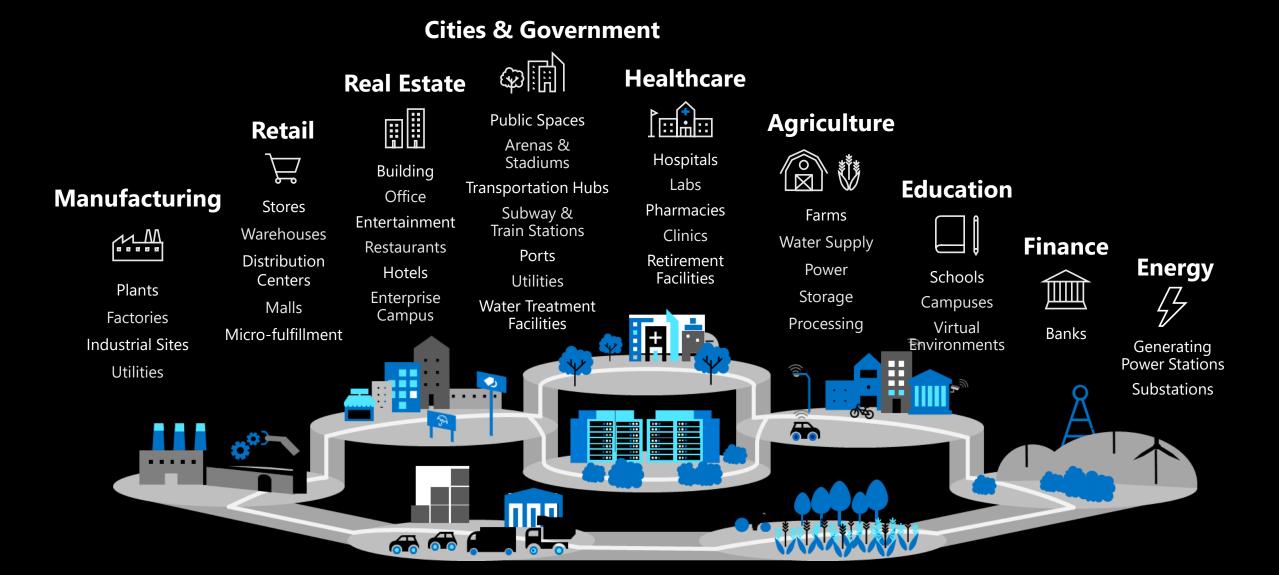






Emerging Connected Environments

Connected Environments



Microsoft Redmond Campus Refresh



Connected Environments

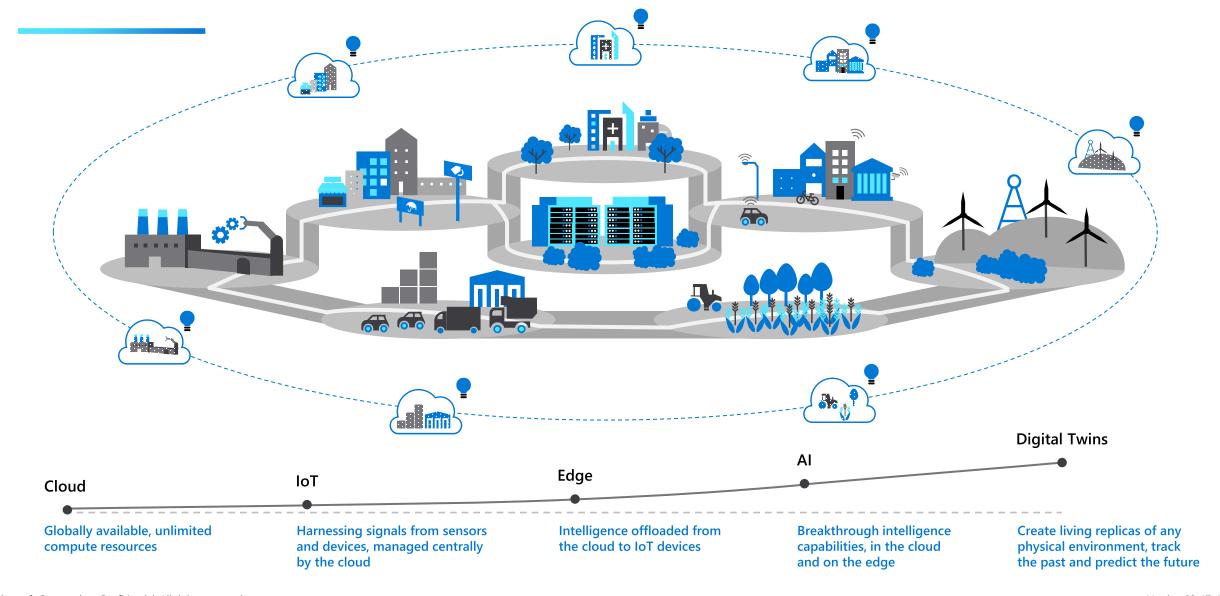
Benefits

- Optimize operations
- Reduce costs
- Provide breakthrough experiences
- Control over environments: contactless interactions, social distancing, insights and alerts

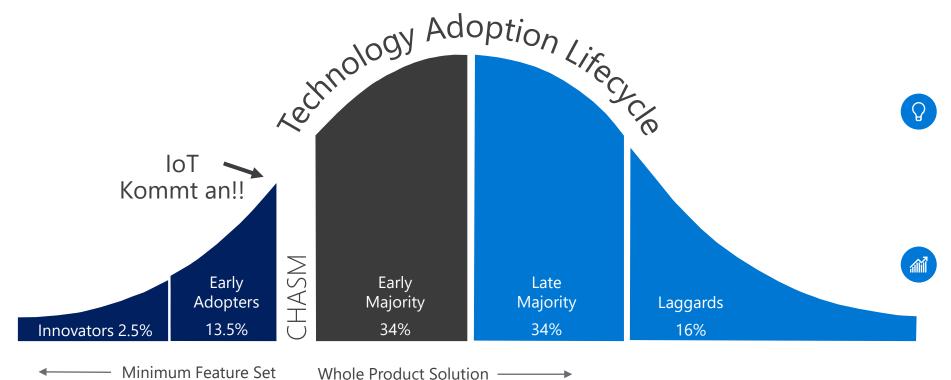
Challenges

 Modeling and creating a digital representation of these environments can be difficult for even the most sophisticated business

Innovations enabling new opportunities



© Microsoft Corporation. Confidential. All rights reserved.



Menschen, die neueste Technologie wollen Menschen, die fertige Lösungen wollen

Early Market

Mainstream Market



80 Mrd

Vernetzte Geräte bis 2025, die 180ZB Daten generieren

Source: IDC 2018

\$130 Mrd

Neues Umsatzpotenzial durch IoT basierte Services

Source: Gartner 2015

88%

Der Deutschen Unternehmen haben bereits Erfahrungen gesammelt

Source: Microsoft IoT Signals Report 2019



47%

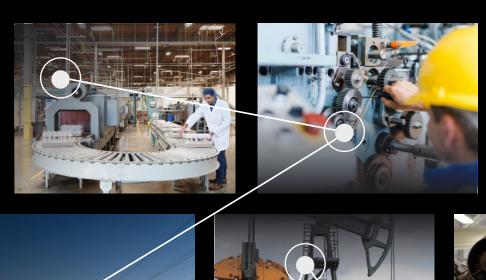
Der Unternehmen nenen Mangel an Fachkräften als Top Herausforderung

Source: Microsoft IoT Signals Report 2019

© Microsoft Corporation. Confidential. All rights reserved.



Microsoft's Approach to IoT & IIoT





Microsoft will invest \$5 billion in IoT. Here's why

Posted on April 4, 2018

Julia White, Corporate Vice President, Microsoft Azure

Today, we are announcing that we will invest \$5 billion in the Internet of Things over the next four years. The reason we are doing this is simple: Our goal is give every customer the ability to transform their businesses, and the world at large, with connected solutions.

It's well understood that IoT solutions can create operational efficiencies, but we know the true impact extends well beyond that into our daily lives. Our customers are delivering electricity to schools in Africa, creating better patient outcomes with predictive care, improving worker safety on job sites and driver safety on Alaskan roadways.

We've been invested in IoT before the term was coined, when enterprises had these endpoints in their factories, buildings and other devices that were totally "dark." Today, we're planning to dedicate even more resources to research and innovation in IoT and what is ultimately evolving to be the new intelligent edge. With our IoT platform spanning cloud, OS and devices, we are uniquely positioned to simplify the IoT journey so any customer—regardless of size, technical expertise, budget, industry or other factors—can create trusted, connected solutions that improve business and customer experiences, as well as the daily lives of people all over the world. The investment we're announcing today will ensure we continue to meet all our customers' needs both now and in the future.

Advancing the Opportunity in IoT and Intelligent Edge

We're now seeing the kind of increased adoption and exponential growth that analysts have been forecasting for years, and we're just getting started. A.T. Kearney predicts IoT will lead to a \$1.9 trillion productivity increase and \$177 billion in reduced costs by 2020. This effect will be pervasive, from connected homes and cars to manufacturers to smart cities and utilities—and everything in between.

Product Strategy

What sets Azure apart is our unique product strategy



Open Standards and Open Source



Brownfield Connectivity



End-to-end Security



Industry Specific Compliance Certification and Validation



Common Data Models



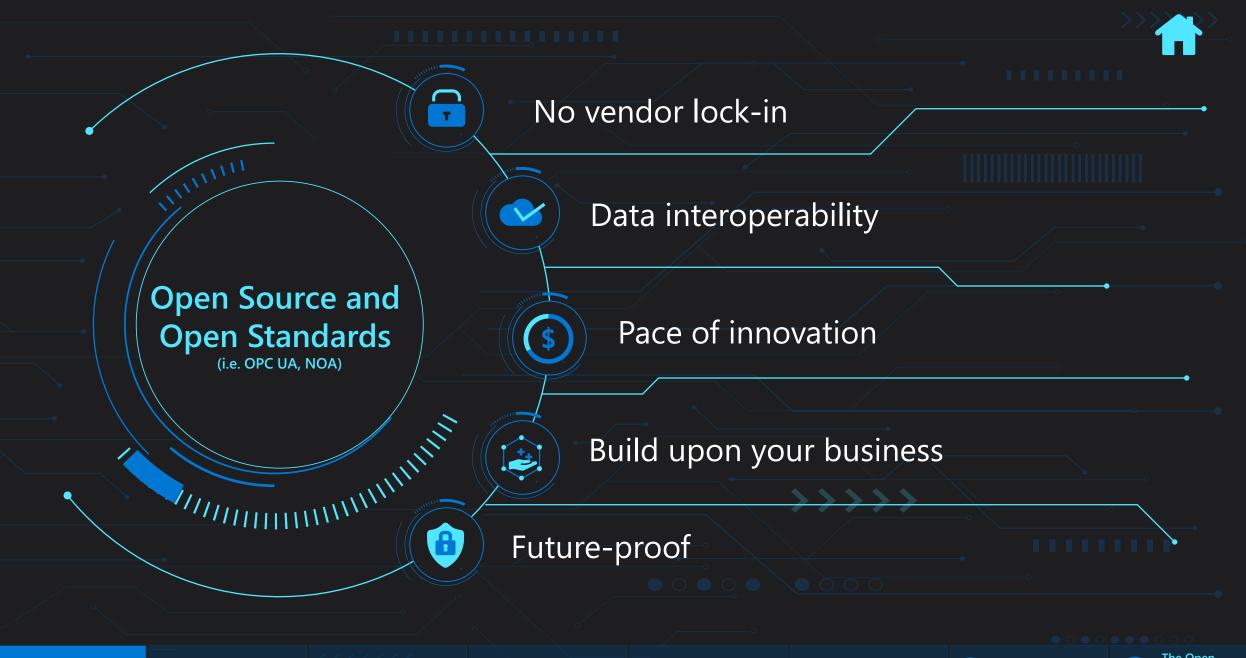
Al consistent across cloud and edge



Seamless Integration with Industrial Analytics



The Open Manufacturing Platform



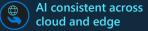










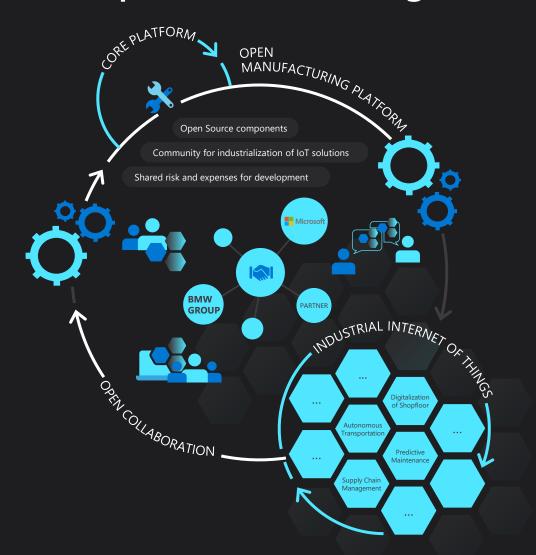








The Open Manufacturing Platform





DATA CONTROL



COMMUNITY



BENEFIT



BEST PRACTICES



INFLUENCE

















Microsoft's comprehensive IoT product portfolio



















Manufacturing

Retail

Agriculture

Energy

Smart Cities

Healthcare

Transportation

Azure IoT Solutions



Azure IoT Central (SaaS)



Azure IoT Reference Architecture & Accelerators (PaaS)

3rd Party SaaS & PaaS Solutions

Azure Services for IoT



Azure IoT Hub

Azure IoT Hub Device Provisioning Service Azure Digital Twins Azure Time Series Insights Azure Maps Azure Stream Analytics Azure Cosmos DB

Azure Al

Azure Cognitive Services

Azure ML

Azure Logic Apps

Azure Active Directory

Azure Monitor

Azure DevOps

Power BI

Azure Data Share

Azure Spatial Anchors

IoT & Edge Device Support



Azure RTOS

Azure SphereAzure IoT Device SDK

Azure IoT Edge

Azure Stack Edge

Windows IoT

Azure Certified for IoT—Device Catalog

Azure Stream Analytics

Azure Storage

Azure ML Azure SOL

Azure Functions

Azure Cognitive Services

Plug & Play

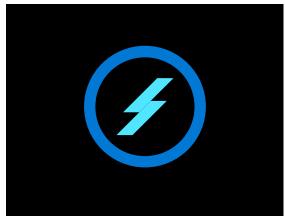
Partner Strategy

>10,000

Ecosystem acceleration

>1,200

Partner provided co-sell ready solutions



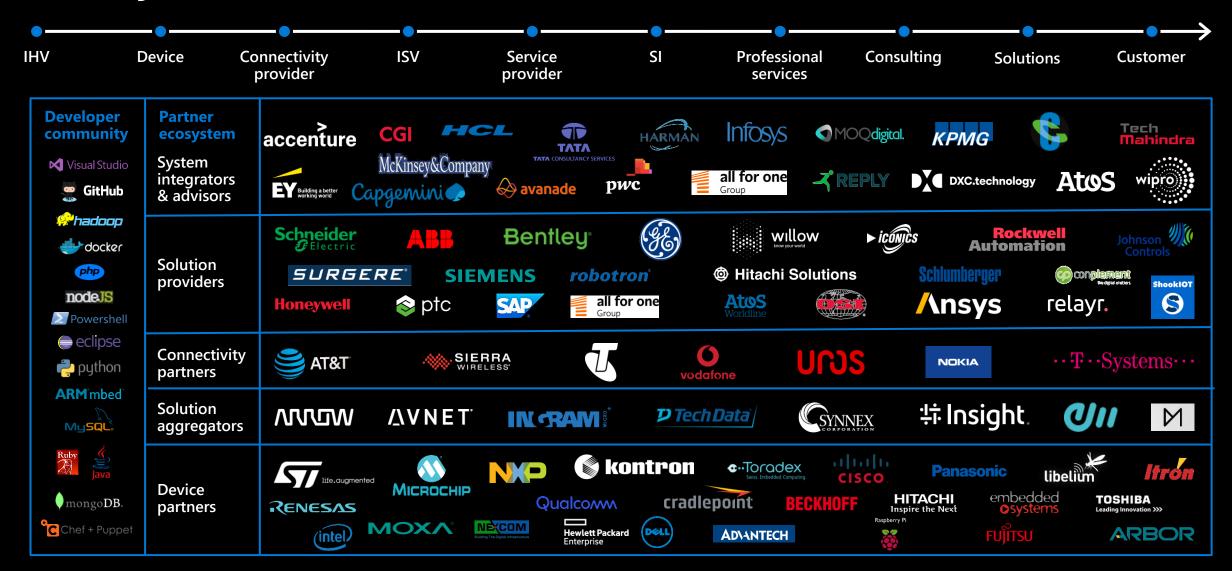


>100

Microsoft IoT platform innovations



Ecosystem momentum

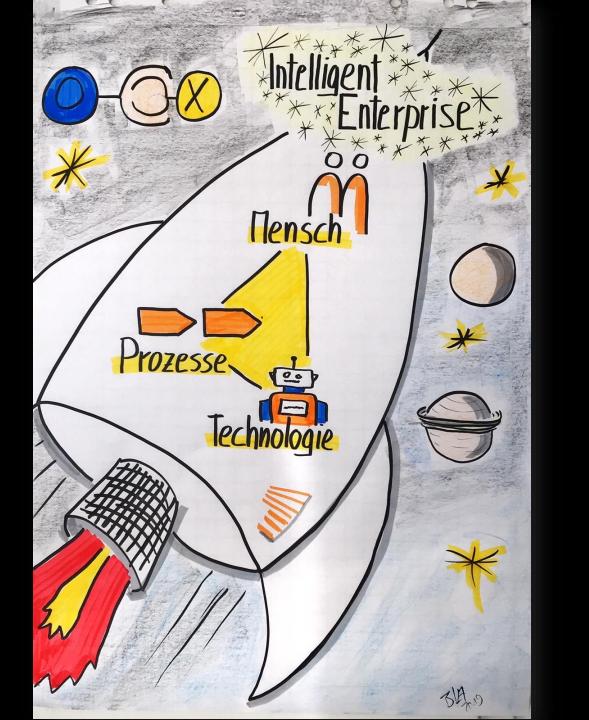


Working together









Thank you