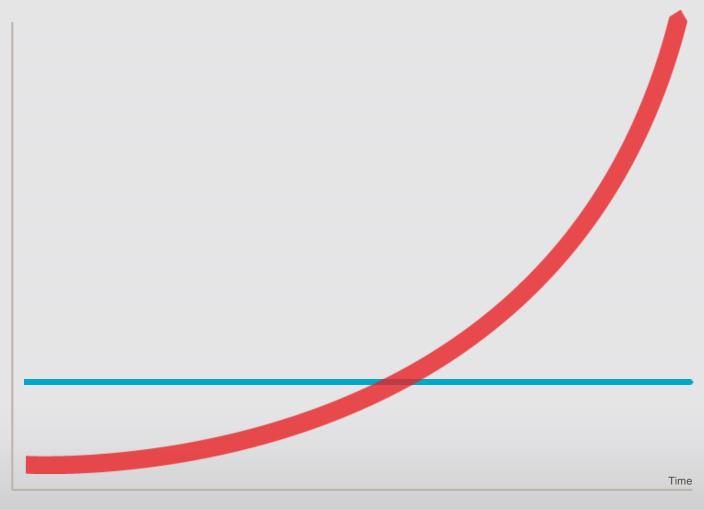


Agenda

What we will cover today





Technological capacityHuman capability

MORE. FASTER. BETTER?

Technology should extend our capabilities rather than highlight our limitations. It should help us manage our **time** more effectively, focus our **attention** on the most important things and foster meaningful **relationships** with the people we care about.

Start reimagining

Innovation





Globalization







Pricing pressures



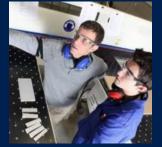
What new capabilities will be required?

Complex regulation



Sustainability





Changing demographics



What opportunities & challenges do these create?

Imagine a world without boundaries Our vision for process manufacturing & resources

Engaging your employee's **passion**

Fostering innovation

Giving people a social voice

Unleashing Supporting a

mobile workforce employee creativity

Attracting retaining **Embracing insight naturally**

world's data

Connecting with the Identifying opportunity with data

> Identifying patterns in data to predict future opportunities

Finding hidden potential in your untouched data

that loves your brand Responding to likes and dislikes immediately

Delivering mobile, engaging experiences

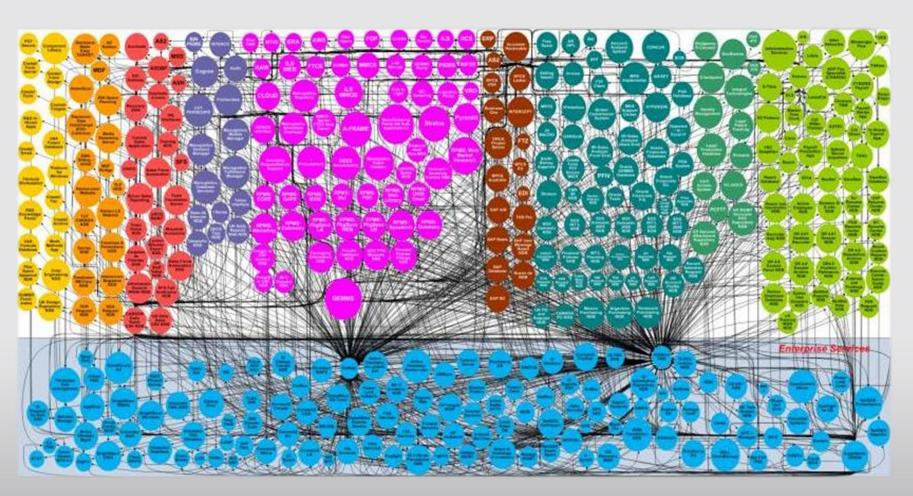
a personality

Simplifying insight generation

Creating a social community

Connecting the individual voice to the overall brand experience

Leading WW Manufacturer



531 applications

4600 interfaces

3400 nightly batch jobs

No "end to end" process.

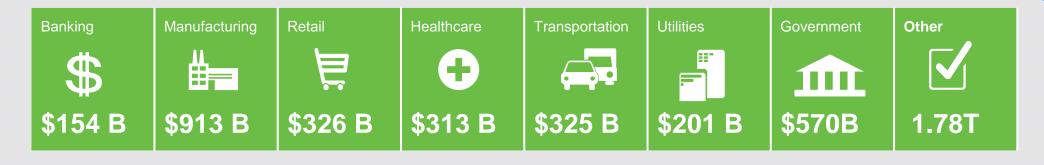
Largely undocumented

Support ratio: 1 FTE to 17 apps

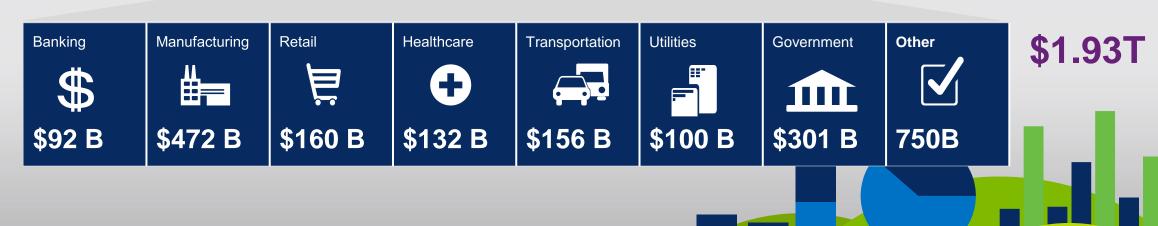
Worldwide Internet of Things Revenue Opportunity

2018

\$4.93T



2014



Realizing IoT with Microsoft

"Things" found in the enterprise



Our IoT-enabling Technologies

Cloud Platform and Services



Microsoft Azure

Microsoft Azure Intelligent Systems Service

Microsoft Azure Machine Learning

Data and BI Services



Line-of-Business

Services

Microsoft SQL Server

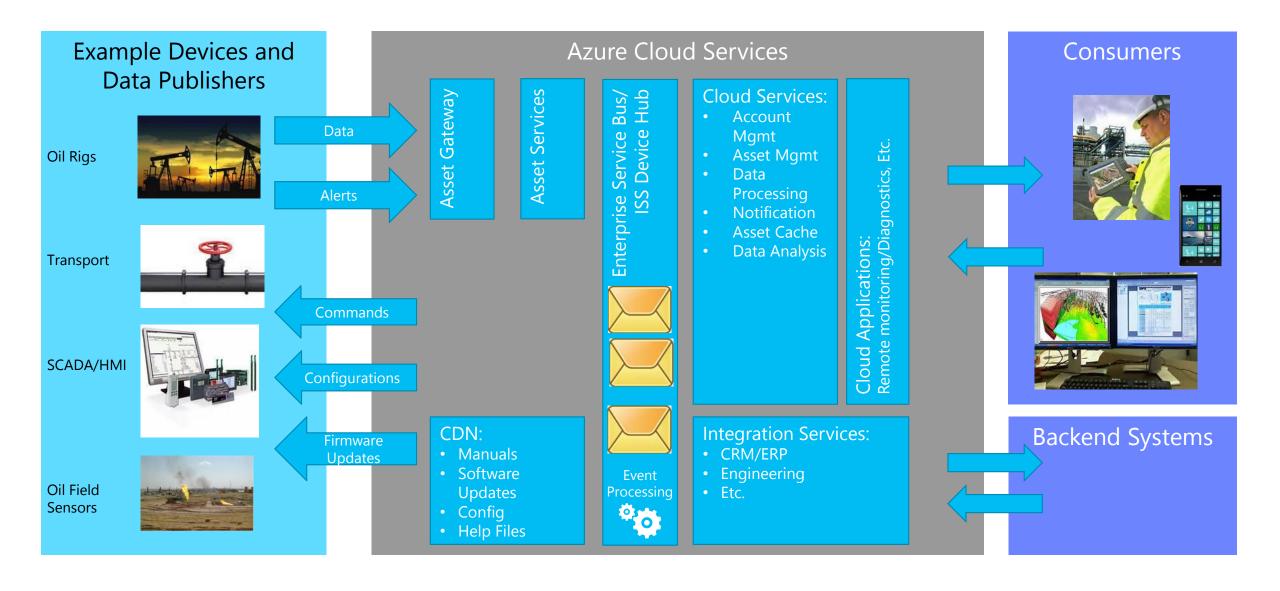
HDInsight



Office 365

Microsoft Dynamics

Digital Oil Field



Reimagining predictive maintenance

Streaming Equipment Data to Azure Precludes Failures









Business goal

- Improve fracking truck uptime
- Establish new data driven maintenance business model
- Reduce maintenance costs

Tactics

- MG Bryaan instrumented fracking trucks with Rockwell data acquisition
- Data streamed to Rockwell Cloud Platform in Azure in realtime

Results

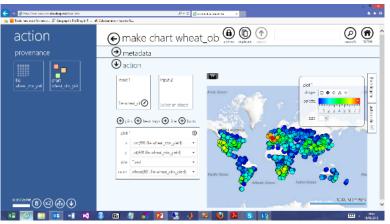
- Secure remote access to equipment data
- Incremental Cost Savings
- Remote Services as new business model
- Empowering knowledge workers with real time & historical data

"It's about being able to globally manage their businesses, something that has never been done before. The upside is huge for us!"



Transformational Business
Opportunities:
Example
Agriculture
Analytics

















BRING YOUR OFFICE ANYWHERE

When you are without your desk and devices, how do you maintain your workflow?

Using the cloud, hardware functions as a team rather as individual units. Ayla can pick up devices that are not her own and use them as if they were.

KEY IDEAS

Anywhere data access, Secure mobile authentication, Work across personal and public devices



Reimagining Manufacturing in a Connected World

Key capabilities required to drive business transformation

Transformative business opportunities

Transforming from Product-centric *transactions*→ Service-centric *relationships*

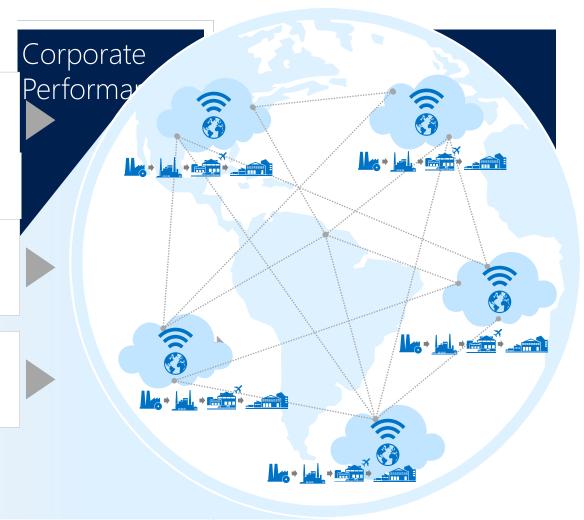
Key priorities

Developing Connected
Business Networks

Enabling Connected Customer Experiences

Building a Data Culture across the Organization





Service-centric, network value driven

Krones: Production of the Future

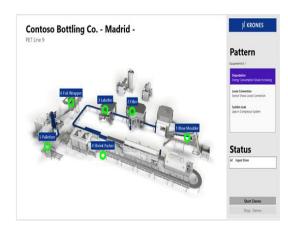
KRONES AG is the market leader in the fields of process, filling and packaging technology. *Every* fourth bottle worldwide is processed by a KRONES machine.



KRONES - Global Machine Cloud



Customer - Global Operations Dashboard



KRONES - Local Machine Emulator



Customer - Plant Supervisor Cockpit



Customer - Mobile Maintenance Dashboard

Discrete Manufacturing Industry Solutions

Connected Marketing, Sales & Service
Digital vs. physical engagements increasingly driving the buying decision







Connected Vehicle & Connected Devices

Driving new connected consumer experiences and ongoing services



Connected Operations
Cost and risk management still key in delivering the Bottom Line



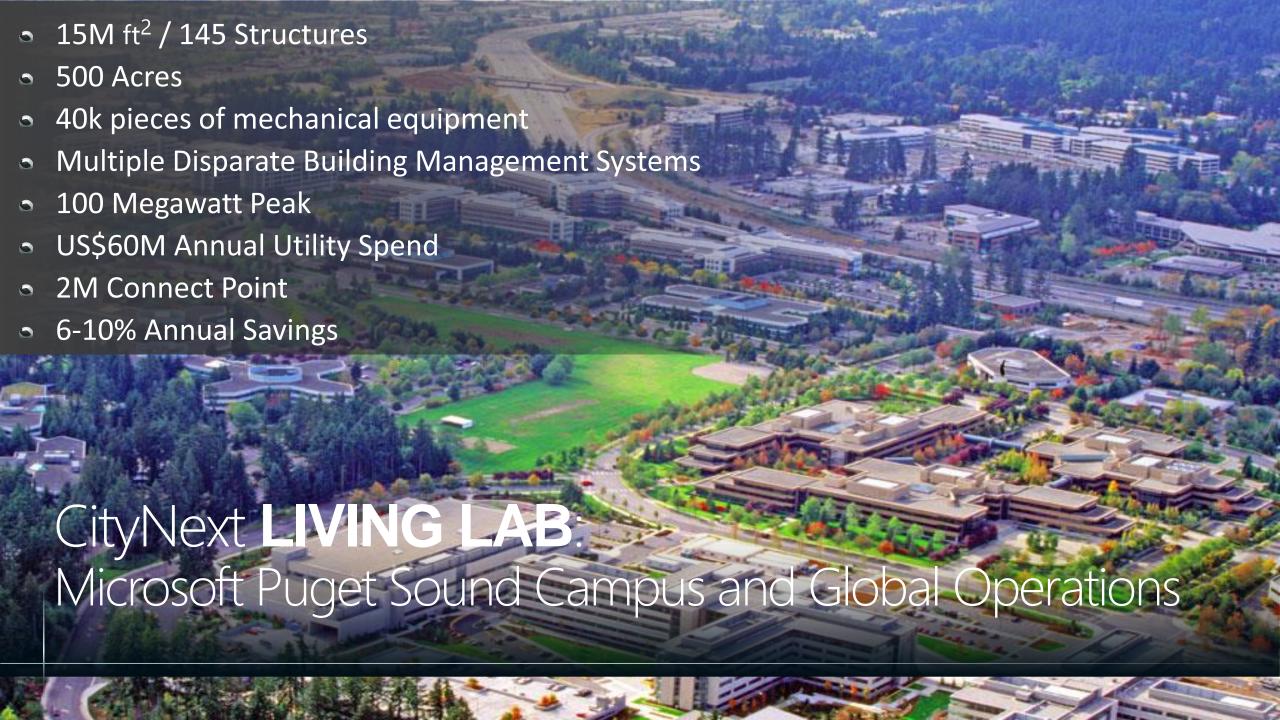




Connected Product Innovation
Smart connected products driving innovative development cycles

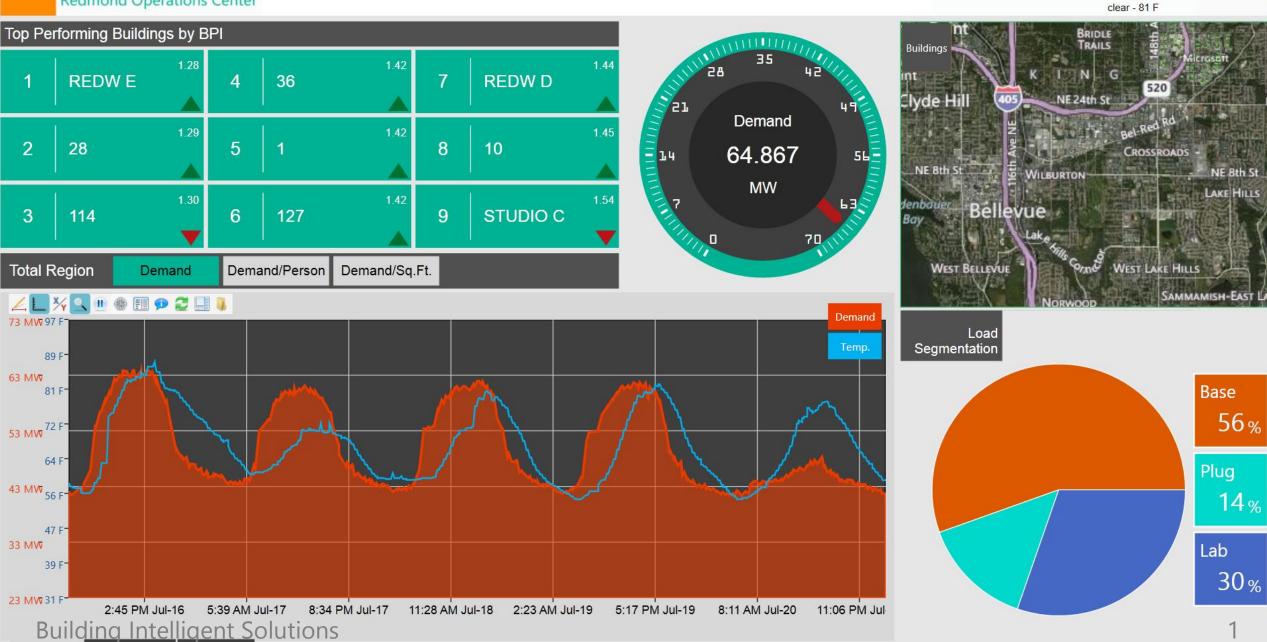
Devices

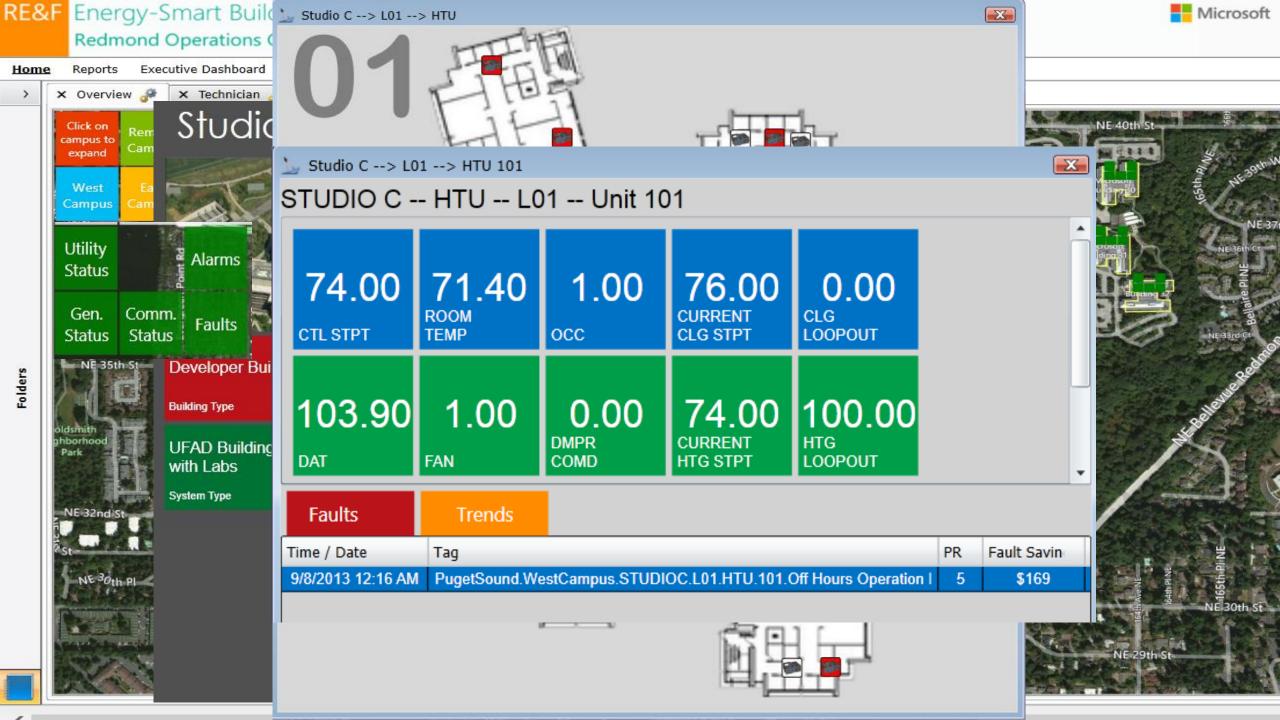
Modern Productivity Platform



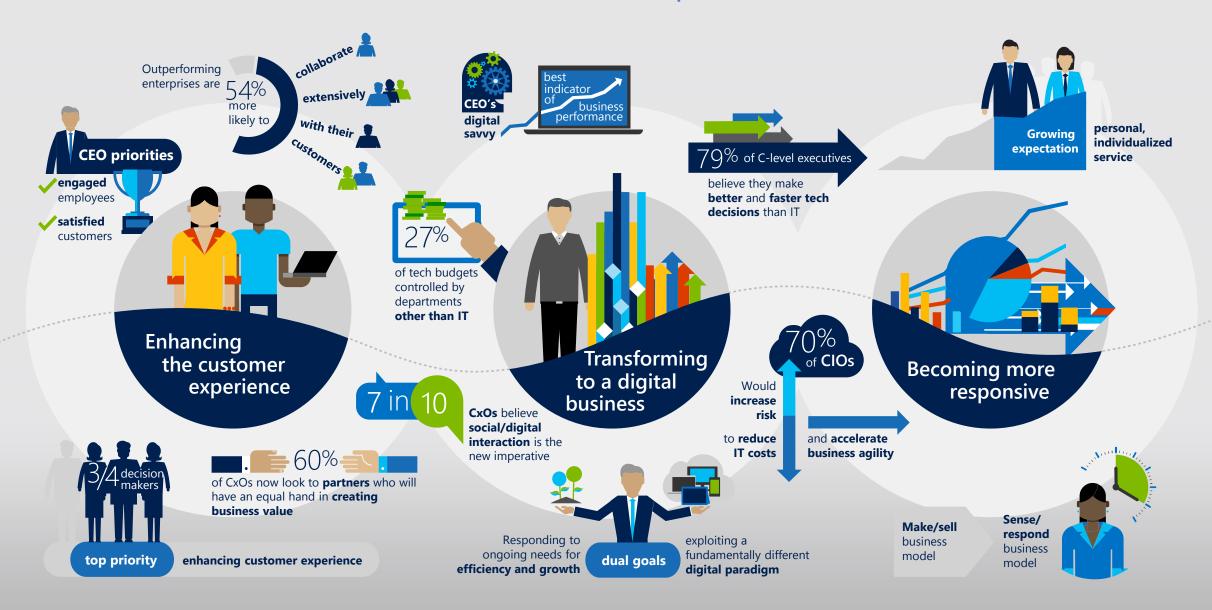








What's on the mind of enterprise leaders?



Mega Trends impact the business trends



Business Insights & Analytics

Mobility



Cloud and modern datacenter



Changing Demographics

- BYOD
- Ubiquitous Connectivity & Social Computing
- Knowledge Management



- New Products, Services & Technologies
- Time to Market
- Crowd source Ideas



- Security
- Sustainability
- Regulatory Compliance
- Business Efficiency







