



The Internet of Your Things

Defining the Internet of Things

Things

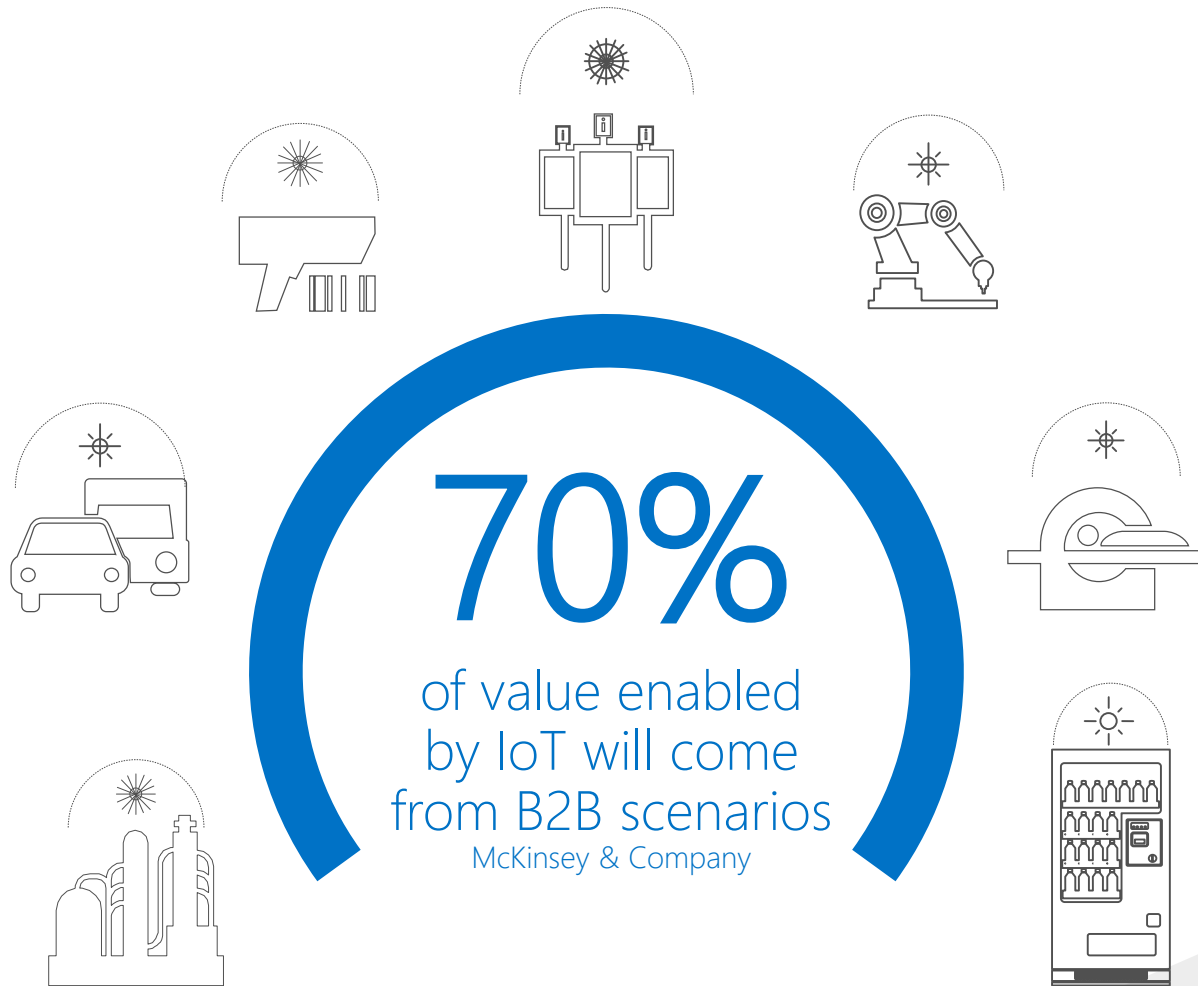
Connectivity

Data

Analytics

Action

Internet of Things opportunity



25 billion

Connected “things” by 2020

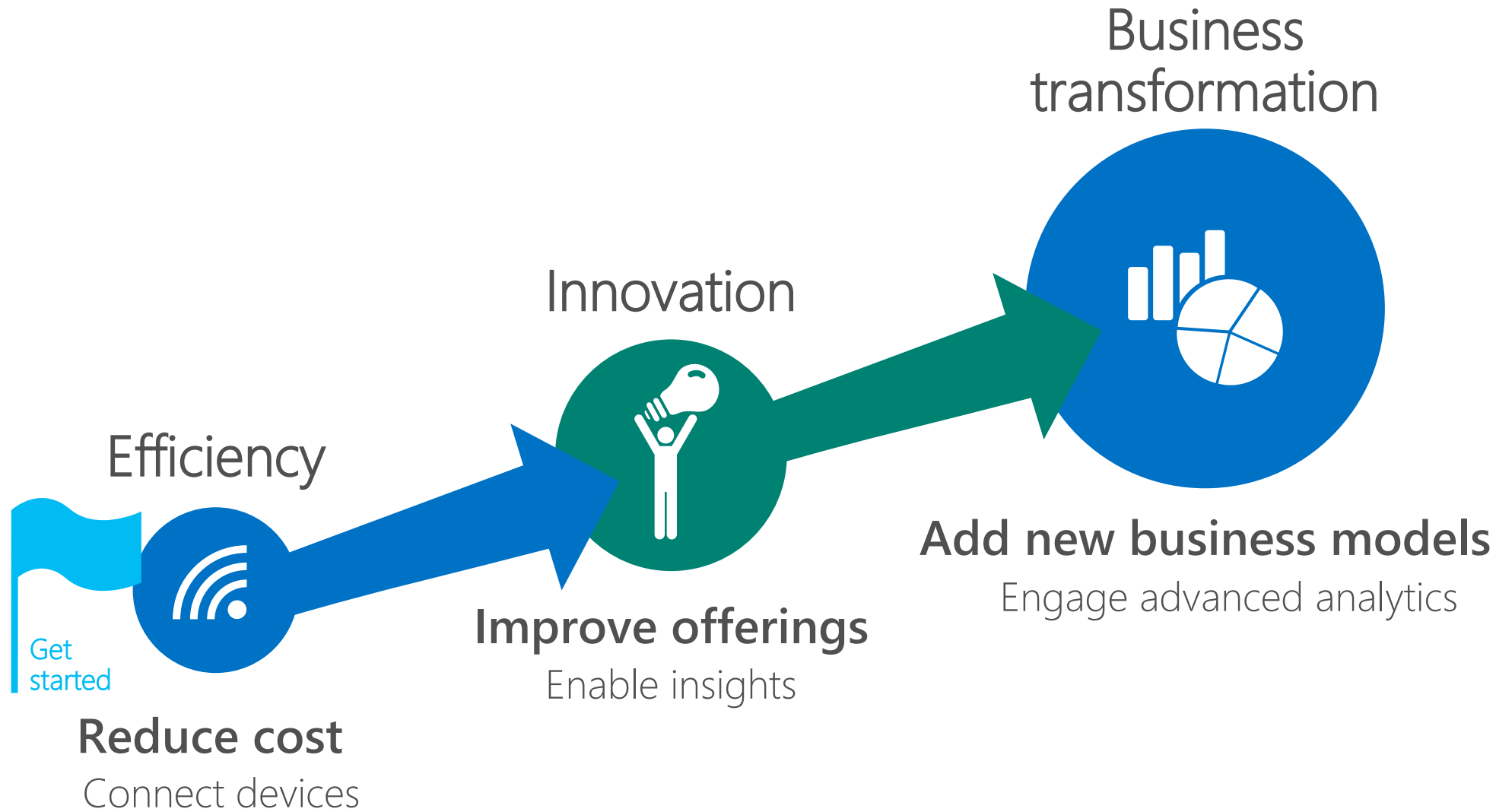
—Gartner

\$1.7 trillion

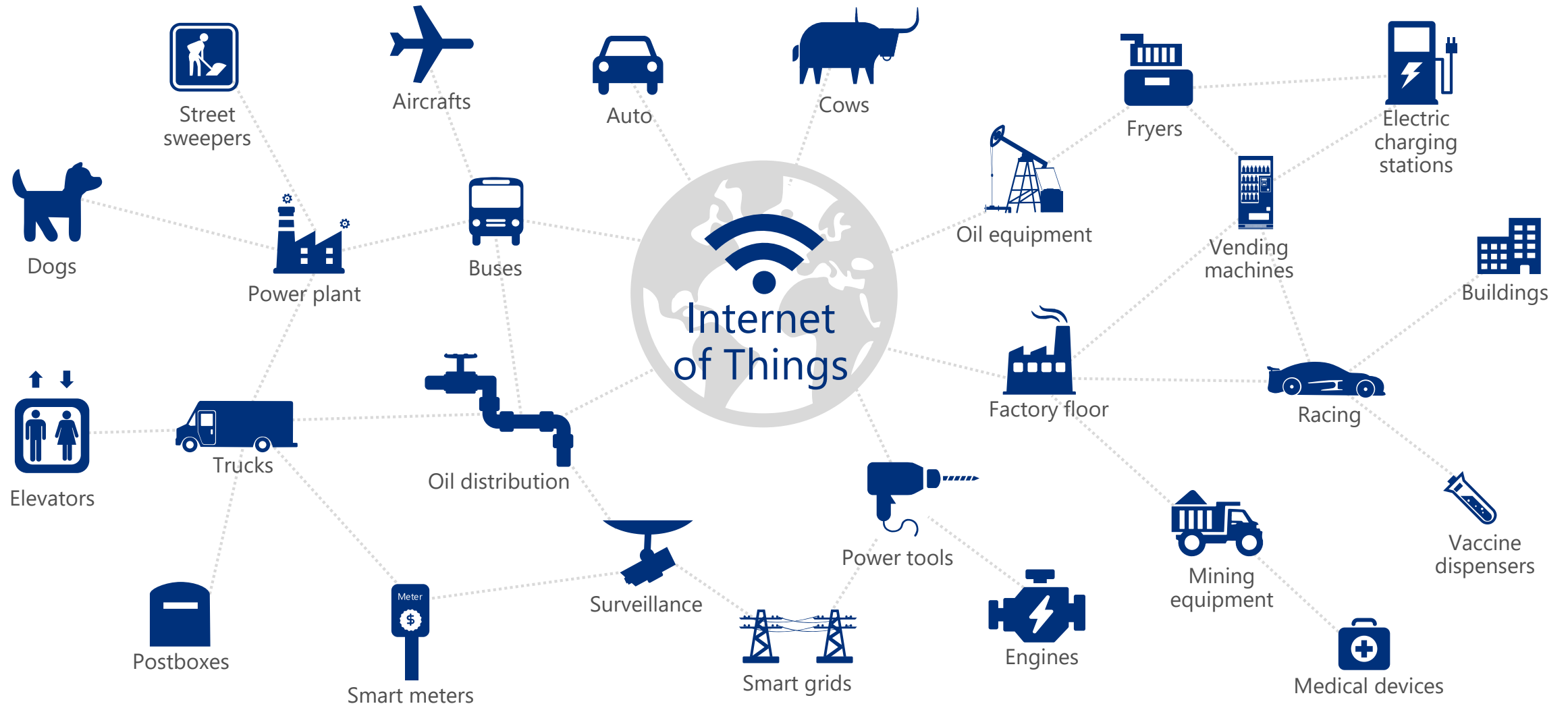
Market for IoT by 2020

—IDC

Capitalizing on IoT in your business



Innovation at work – real world IoT use cases



Connect
your things



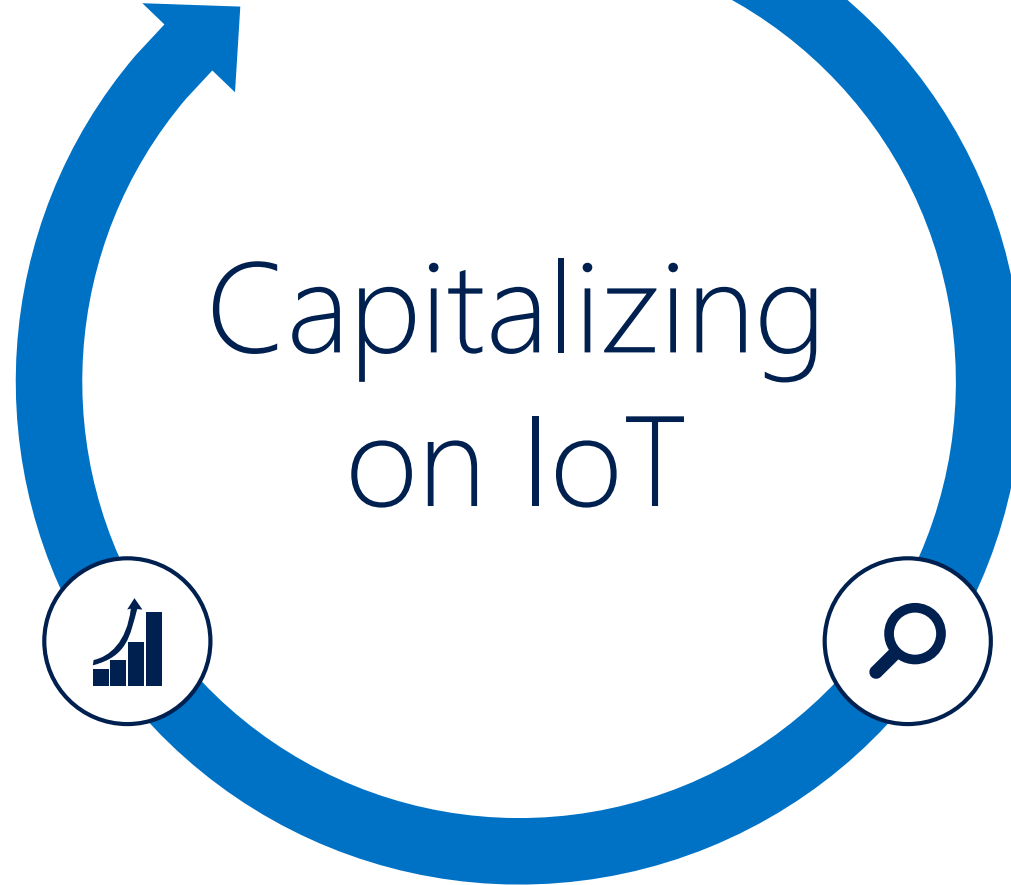
Turn data
into insights



Capitalizing
on IoT



Transform your
business



IoT projects can be complex



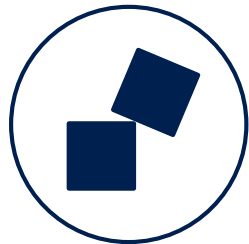
Difficult to maintain
cohesive security



Time-consuming to
stand up



Incompatible with
current infrastructure



Hard to scale

Take the complexity out with Azure IoT Suite



Long project timelines



Enable fast solution development



Hard to analyze project outcomes

10101
01010
00100

Facilitate new insights by harnessing power of untapped data



Incompatible with current infrastructure



Provide connectivity to both existing and new devices



Difficult to stand up



Connect to existing business systems

Azure IoT Suite



Device Connectivity & Management



Data Ingestion and Command & Control



Stream Processing & Predictive Analytics



Workflow Automation and Integration



Dashboards and Visualization



Preconfigured Solutions

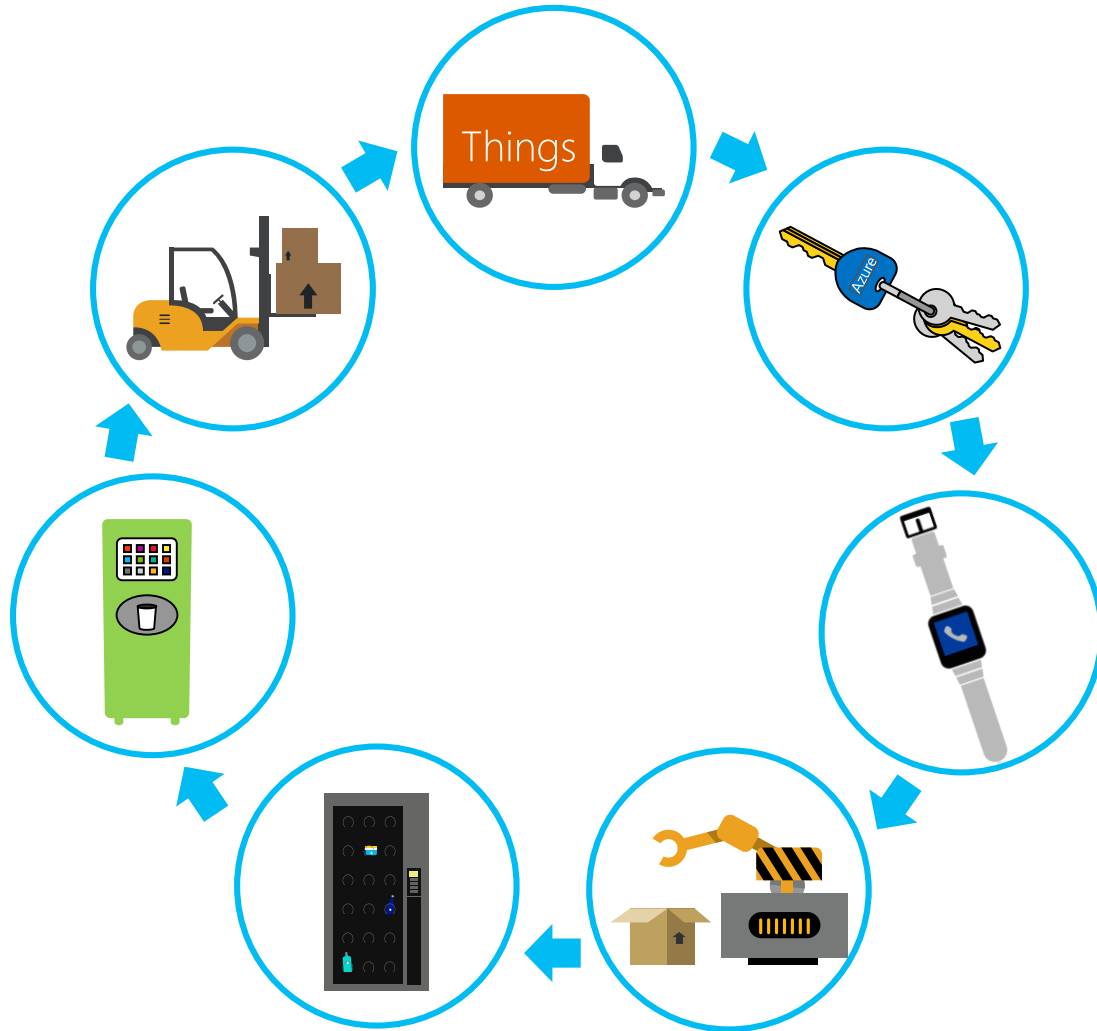


Remote Monitoring

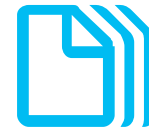


Predictive Maintenance

Azure IoT Suite



Secure device connectivity and management



Data ingestion and command + control



Rich dashboards and visualizations



Business workflow integration

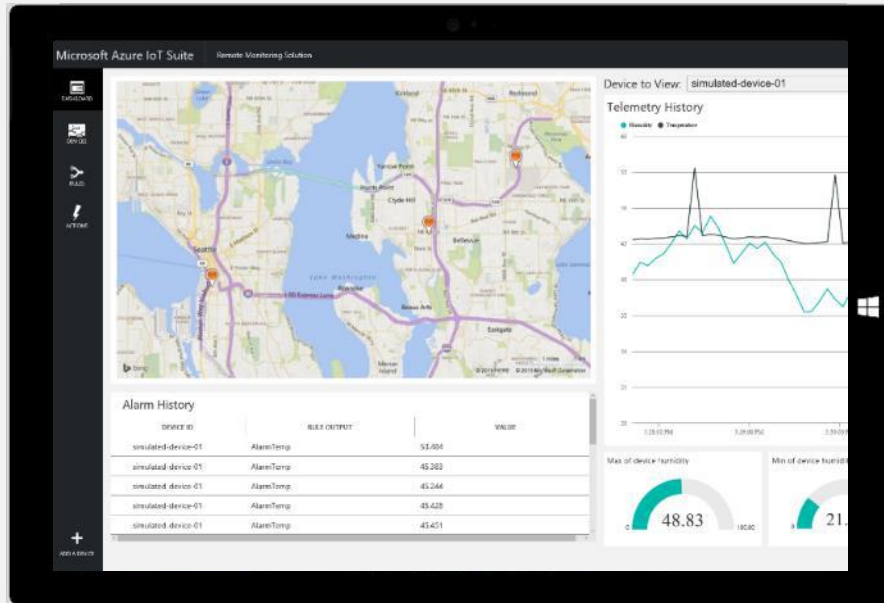


Move beyond building blocks with pre-configured solutions

Accelerate time to value with preconfigured solutions



Start quickly for
common IoT scenarios



- Get started in minutes
- Modify existing rules and alerts
- Add your devices and begin tailor to your needs

Finish with your Internet of
Things application

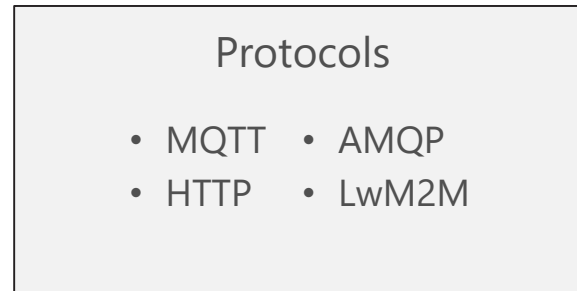
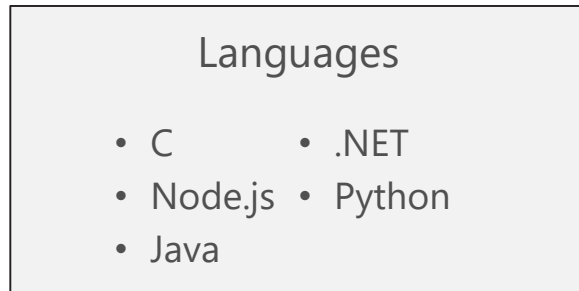
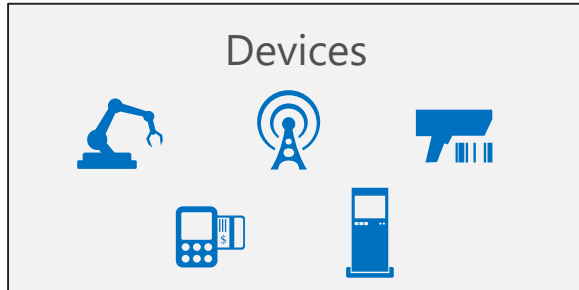


- Fine-tuned to specific assets and processes
- Highly visual for your real-time operational data
- Integrate with back-end systems

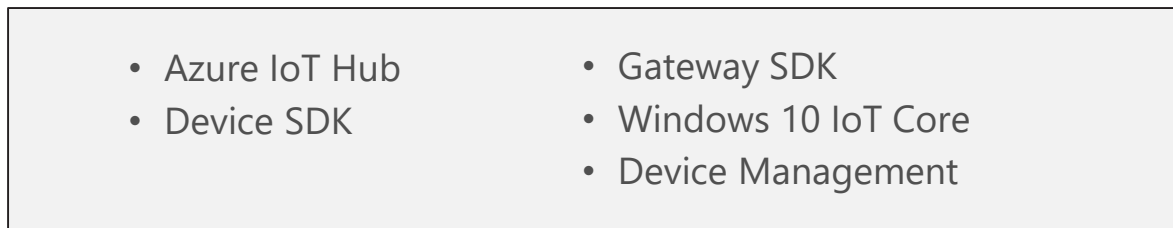
Obtain flexibility with an open approach



Work with any device



Using...



Connect to existing solutions and business processes



Using...



Benefit from a hyper-scale footprint

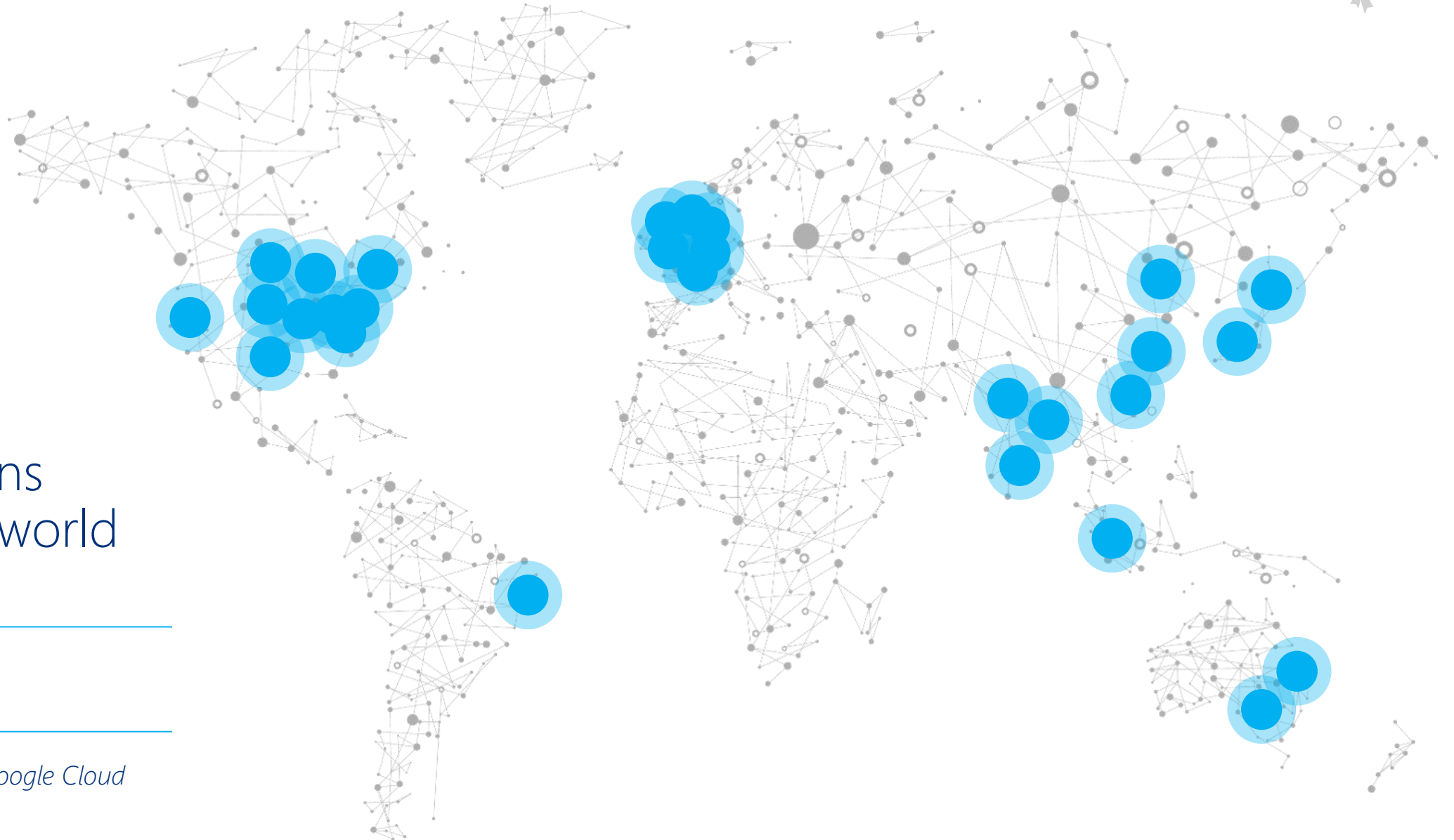


30

Azure regions
around the world

 AZURE REGIONS

*More than AWS and Google Cloud
combined*



Unlock insights from any data



Rich data storage and analytics ecosystem

Data Platform



SQL Database



Redis Cache



DocumentDB



SQL Data Warehouse



Search



Tables

Data Analytics



Machine Learning



Stream Analytics



HDInsight

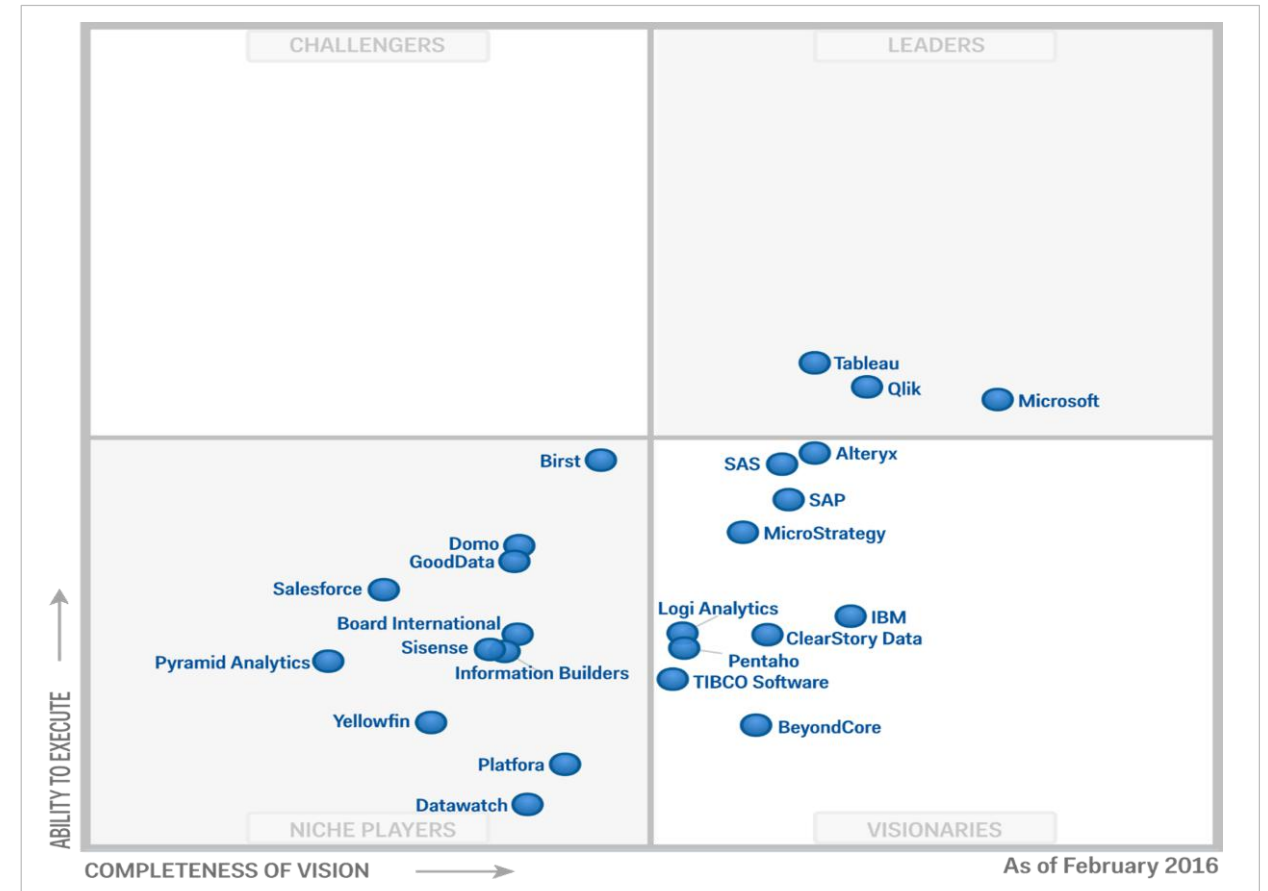


Data Factory



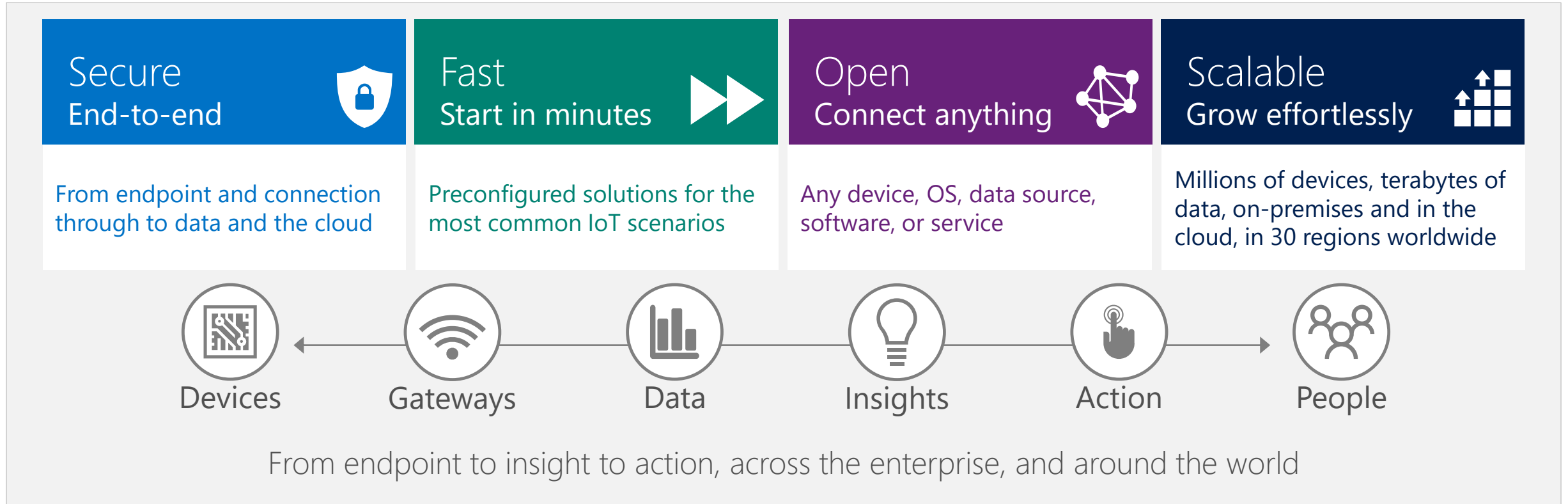
Data Lake & Analytics

Gartner Magic Quadrant for Business Intelligence and Analytics Platforms



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Azure IoT Suite: Ready for the enterprise



Magic Quadrant Leader, Business Intelligence and Analytics Platforms*



Built on the industry's leading cloud



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An ecosystem ready to support your IoT needs

Rely on expert IoT partners

Get ready to unleash true business value with the Internet of Things (IoT). Whether you're building your own solution with certified devices, or looking for a complete IoT solution, get connected with a trusted partner that can help tailor the Azure IoT Suite to your industry-specific needs.



Device partners



Gateway partners



Network and
communication
partners



Systems integrators



Independent software
vendors

Find a Partner

<https://www.microsoft.com/en-us/cloud-platform/internet-of-things-partners>

Get started today



Go to www.InternetOfYourThings.com



Connect with your regional IoT team



Define your use case



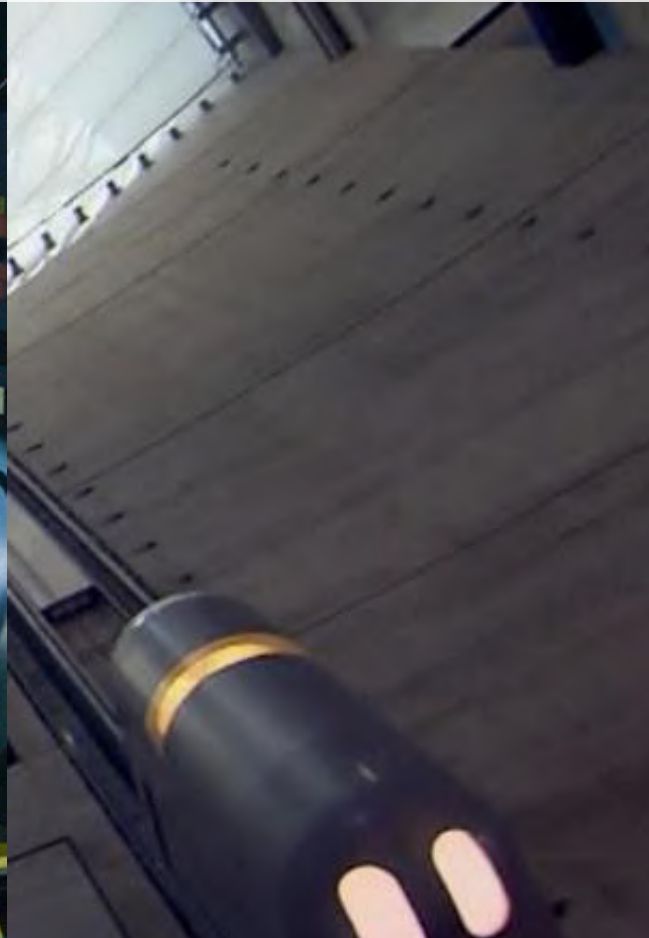
Select a partner



Go through our Quick Start process



Thank you



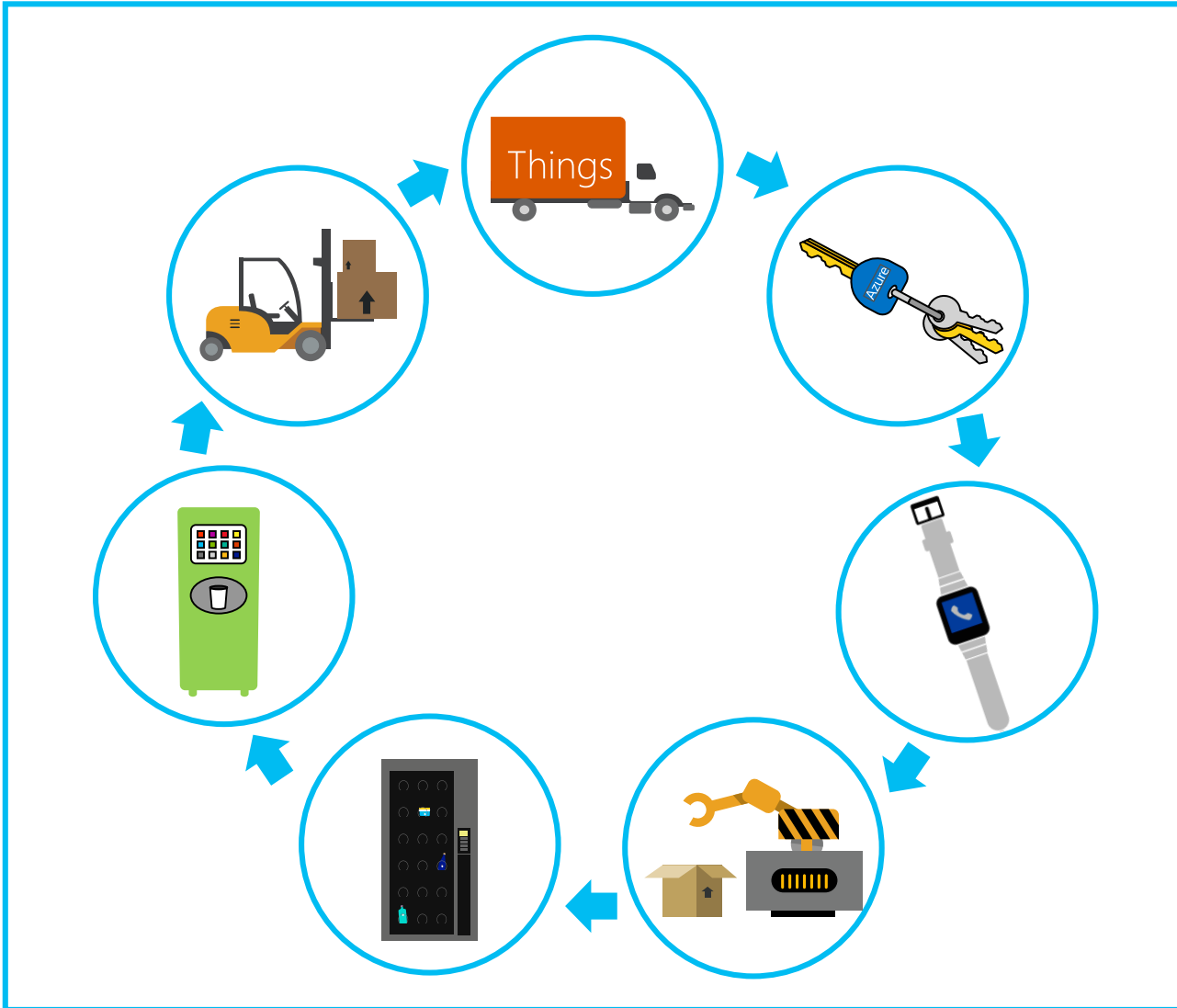
Chillers now run **9x faster** than unconnected equipment, avoiding more than **\$300,000** in hourly downtime costs

Gathers data from sensors and systems to create valuable business intelligence and **reduce downtime by 50%**

Cutting fuel usage by 1 percent could save **\$250,000 per plane per year**

Improves **access** to production and supply chain **data** worldwide, **reducing** downtime **costs** by as much as **\$300,000 per day**

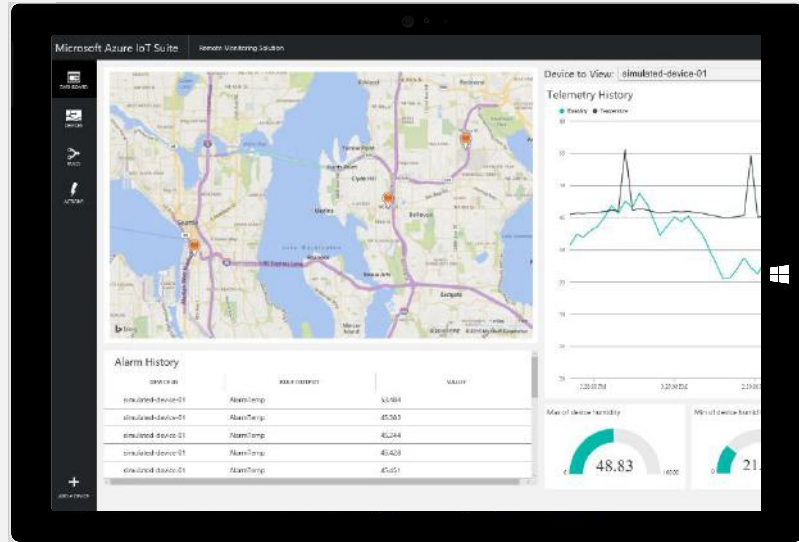
Azure IoT Suite – preconfigured solutions



To deliver these capabilities, Azure IoT Suite packages together multiple Azure services with custom extensions as preconfigured solutions.

Accelerate time to value with preconfigured solutions

Start quickly with preconfigured solutions



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Finish with your Internet of Things application



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What manufacturing needs from the IoT

- Improved reliability
- Real-time insight
- Share data securely
- Better product quality
- Fast response to customers

Predictive maintenance in manufacturing

Traditional factories

Keep staff onsite to monitor equipment and resolve issues as they arise



Schedule maintenance and unexpected equipment downtime



Production loss and inefficiency



Smart factories

Utilize edge and cloud intelligence to remotely monitor equipment



Proactively address equipment issues before they arise



Improves operational efficiency and output



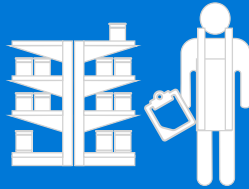
What retailing needs from IoT

- Improved customer experience
- Efficient store operations
- Insight into supply insight
- New retail channels and revenue streams
- Connected physical, digital worlds

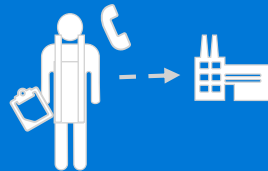
Asset tracking in retail

Traditional retail

Manually track inventory and sales data



Restock shelves and reorder product at end of shift or other time

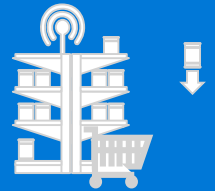


Inconsistent operations, missed sales and negative customer experience



Smart retail

Monitor in-store inventory levels in real-time



Access inventory data anytime on your smart devices and dynamically restock inventory



Improved performance and sales, higher customer satisfaction



IoT is working across industries

MANUFACTURING

Machines that self help, call for service, and never break down



ENERGY

More efficient, cleaner power, and using less of it across industries



SMART CITIES

More sustainable, prosperous, and economically competitive cities



TRANSPORTATION

People and goods moving reliably, more safely, and using less energy



PUBLIC SAFETY

More efficient responses and better readiness in emergency situations



HEALTHCARE

Improved quality and better outcomes for patients, anywhere



AGRICULTURE

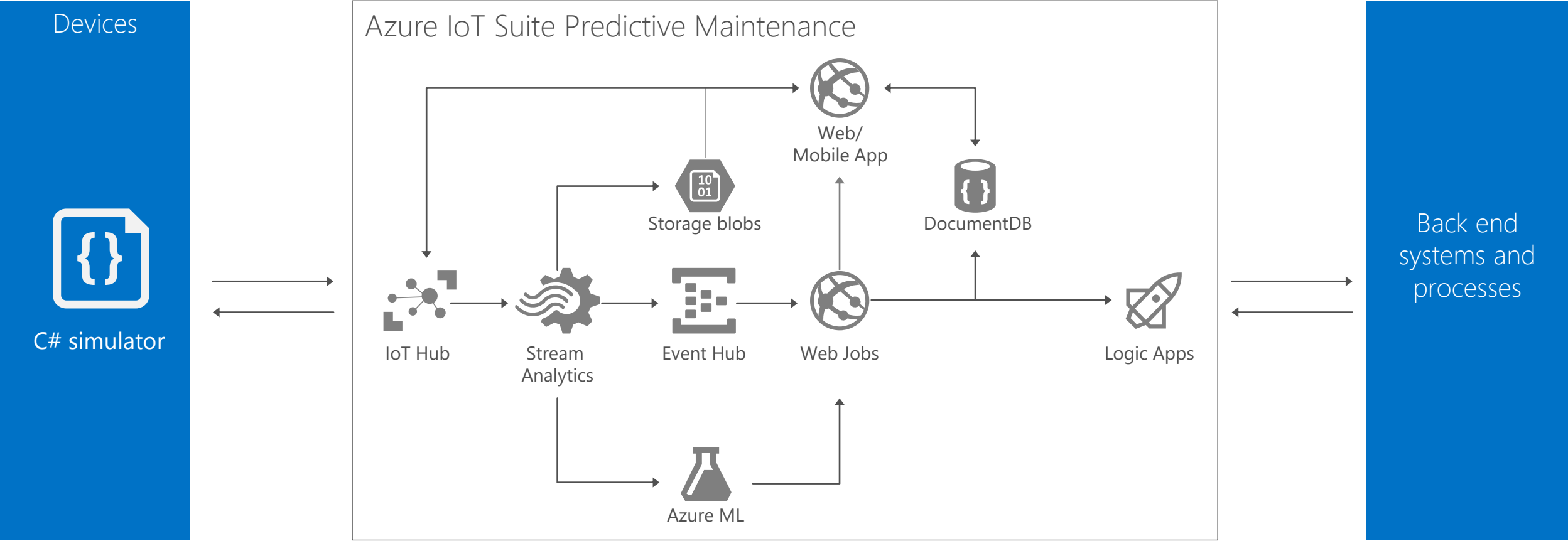
Better yields and higher quality with fewer resources and less waste



RETAIL

Constant inventory analysis; deeper customer engagement

What you get with predictive maintenance solution



Benefit from a comprehensive solution

