

O in Action

#IoTinActionMS



Architecting the Intelligent Edge

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Partners make more possible



BSQUARE

Matthew Inglis

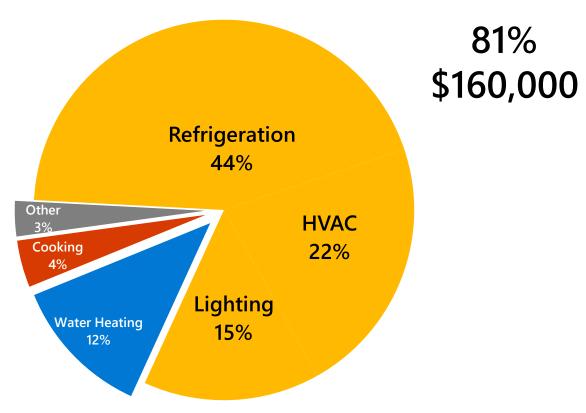
VP of Engineering



The challenge

- Managing components as a system is challenging
- No solution for managing all locations as a portfolio

Average energy cost per US grocery store* \$200,000





Source:

https://www.energystar.gov/sites/default/files/buildings/tools/SPP%20Sales%20Flyer%20for%20Supermarkets%20and%20Grocery%20Stores.pdf

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Solution features



Manage portfolio of stores



Ingest multiple data sources



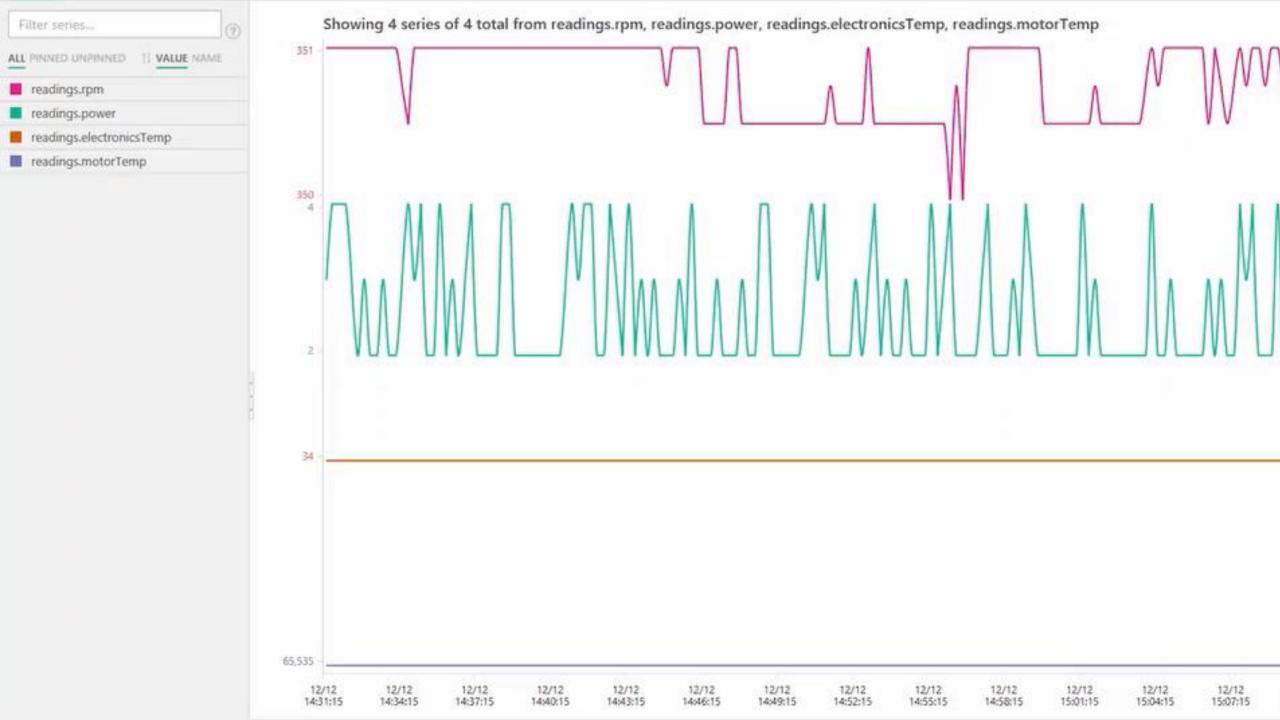
Graphical rules engine

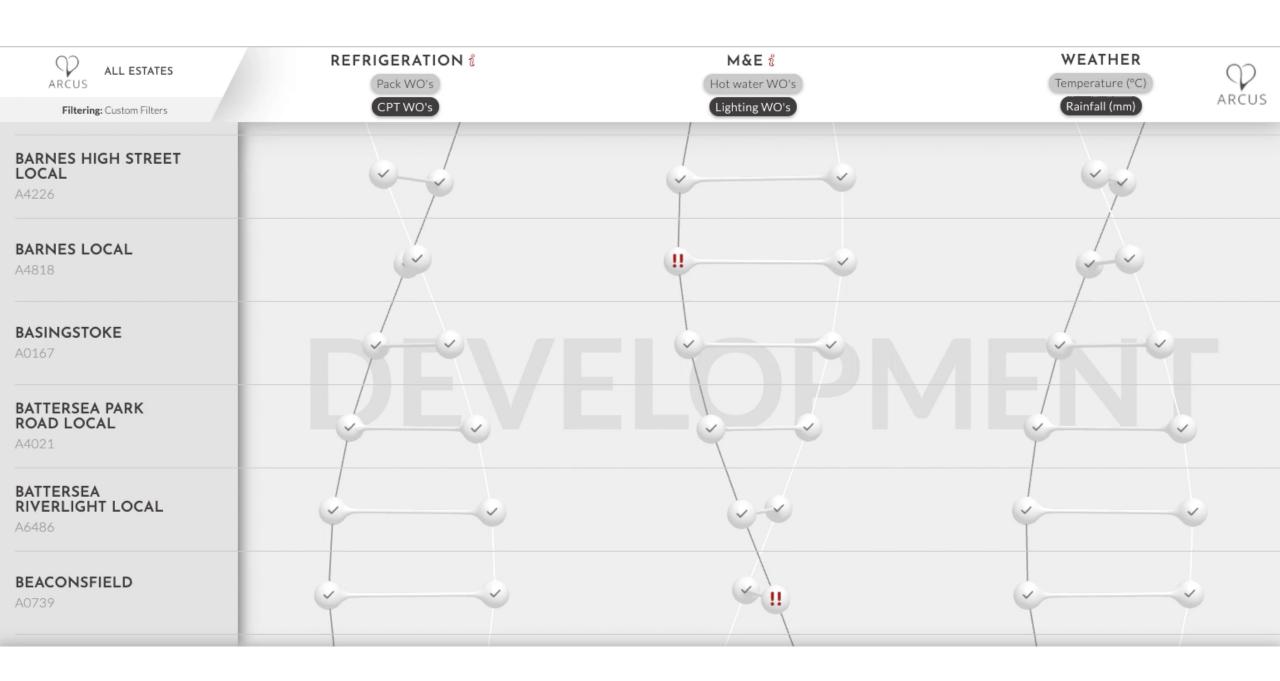


Flexible deployment with RESTful APIs





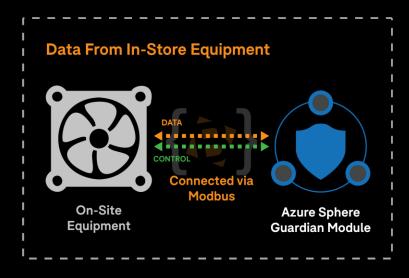




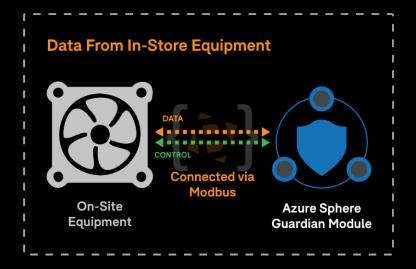
FANS

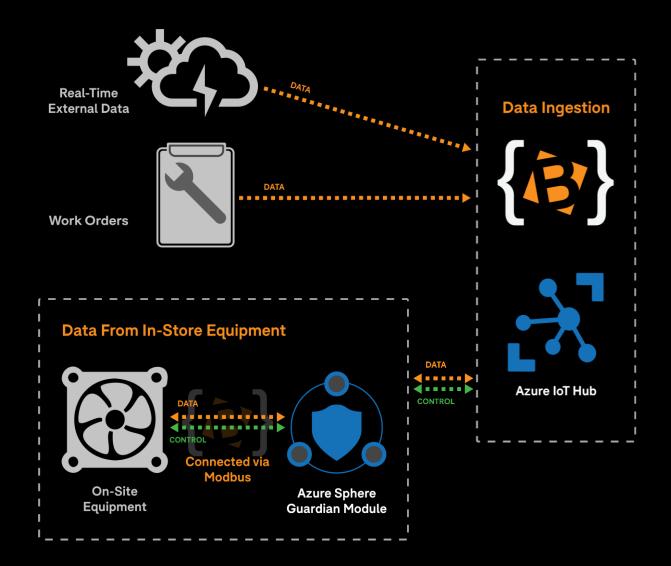
Last updated a minute ago

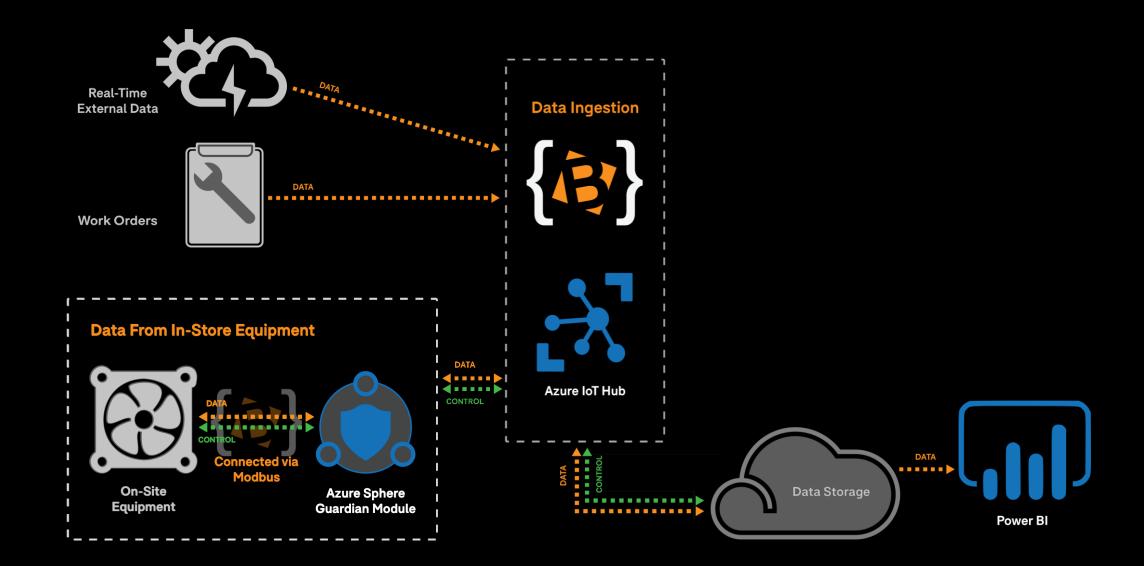
LAST 30 DAYS NOW LAST 7 DAYS SPEED (RPM) ů (0) 355 898.92 AVG SPEED (RPM) (1) 352 18.24) AVG POWER (W) (0) ů POWER (W) (1)

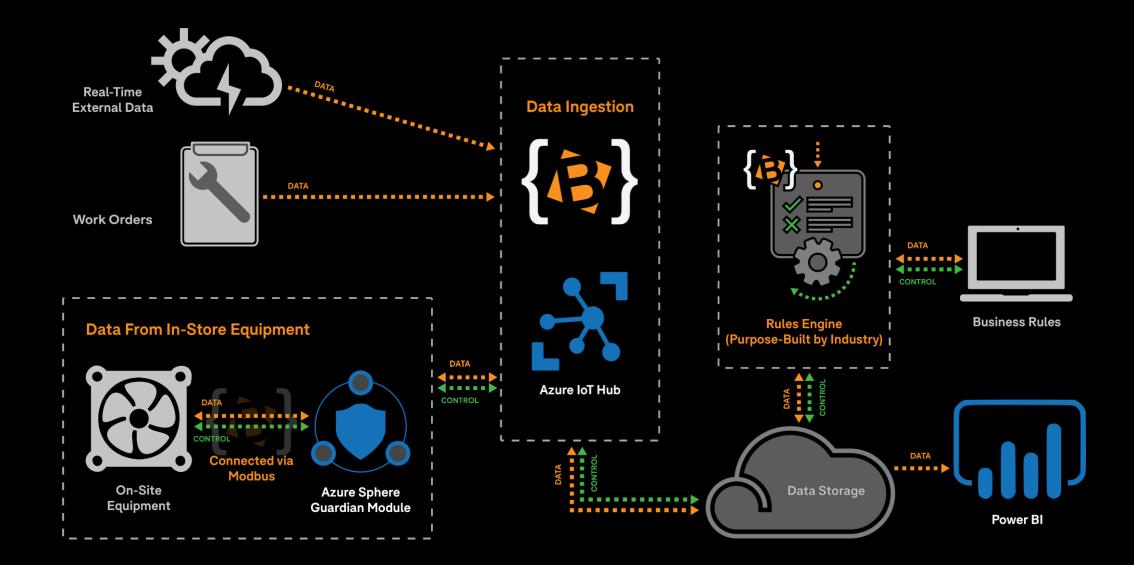


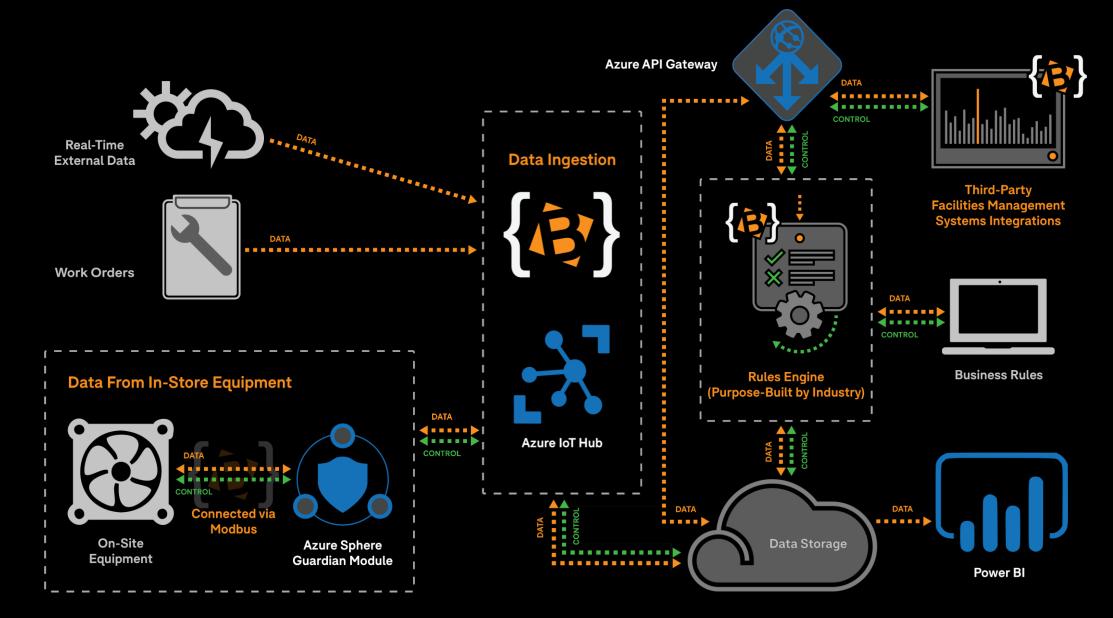












BSQUARE PARCUS

Solution benefits

Immediate energy ROI 30% first year

Operational Efficiencies
Reduce truck-rolls

Infrastructure flexibility

Existing and new

Best in class security

Azure Sphere

BSQUARE

Bsquare is helping people and business build the next generation of intelligent systems. In the world we imagine, intelligent devices and systems will be cloudenabled, they will share data securely, and will facilitate distributed learning, control, and decision making.

We believe these systems will make better use of the resources of our planet and improve the human condition.

Bsquare develops software and services that power this next generation of systems, creating new revenue streams and business models while providing new opportunities for lowering costs and improving operations.

Matthew Inglis VP of Engineering



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/matthew-inglis

BSQUARE

We are powering the next generation of intelligent devices and the systems in which they operate



arcusfm.com





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Ali Lavine Connected Platform, Product Manager

Brian Berejik

Connected Platform, Engineering Manager

Organizations require 10+ partners to successfully execute a digital transformation project.

Today, there is a new approach designed to eradicate complexity and fragmentation across your digital transformation journey.

Enter: the Super Solution Integrator

(n.) a single team with expertise across all aspects of modern IT solutions to architect, manage and execute initiatives from end-to-end

We create meaningful experiences that help businesses run smarter.



Digital Innovation

Engage your customers & empower your team with digital experiences.



Cloud & Data Center Transformation

Provide guidance, technical expertise and managed services to solve IT challenges.



Connected Workforce

Connect and empower your team with technology to work smarter.



Supply Chain Optimization

Optimize & simplify technology investments to drive business transformation.

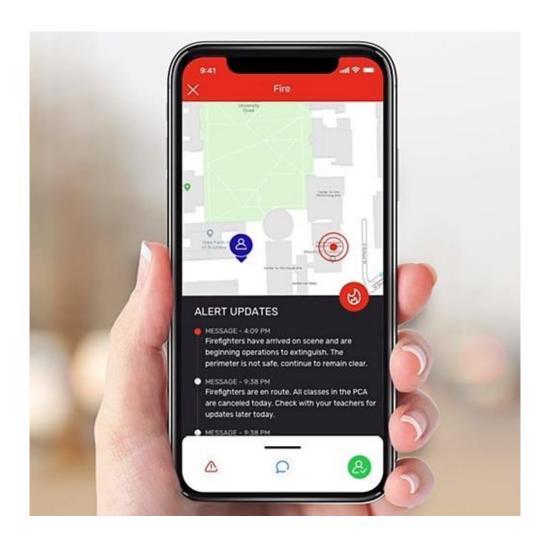
Insight Connected Safety

Emergency IoT notification system piloted in Houston's Aldine School District

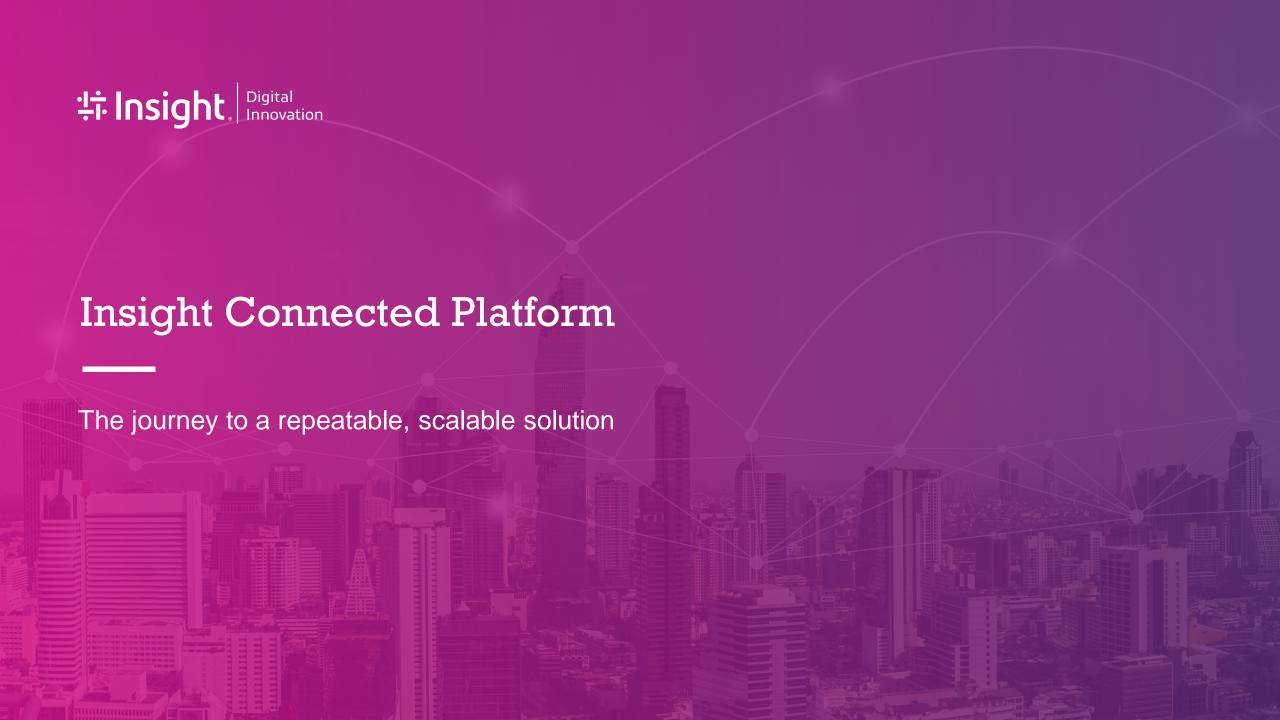
Connects students, staff and first responders with a variety of devices, sensors, alerts and interactive floorplans

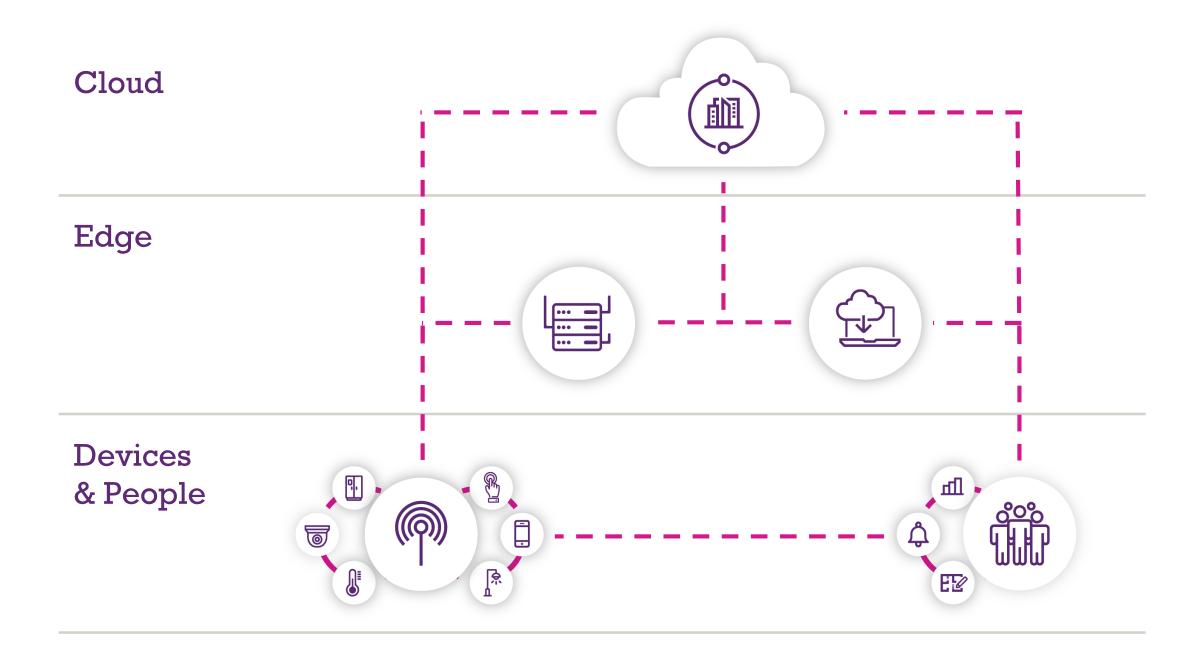
Lead with Digital Innovation's digital strategy capabilities to uncover pain points and develop solutions

Engaged with BeSafe Technologies and Microsoft, leveraging the strength of our deep partner relationships



How can these devices be used in other ways? How can we scale this into a broad and repeatable solution?





Secure, scalable & flexible

Insight Connected Platform

Platform High Level Architecture Cloud 血 Edge **Devices &** People (M) **7**

Platform Functionality



Mobile friendly



Alerts & Notifications



Identity management



Mapping engine



Roles & Permissions



Rules engine



Branding / White label



Automated workflows



HW Device Integrations



Communications service



SW App Integrations



Data analytics



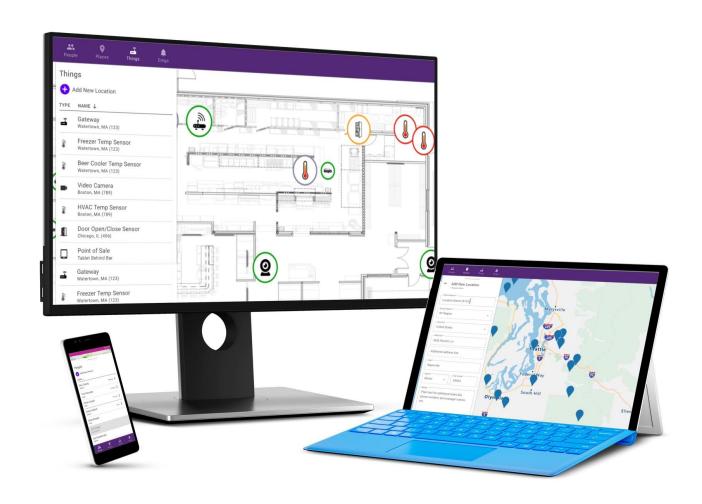
Device & Data Management

Insight Connected Platform

Visualizes and triggers workflows from any IoT data source

Empowers real time, persona based, operational control through a single pane of glass

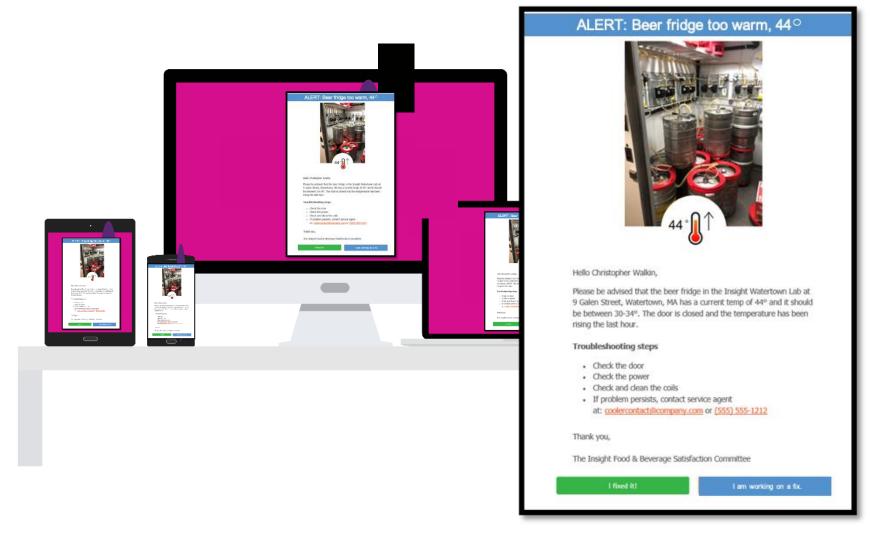
Utilizes cloud AI models deployed to the edge for true business insights



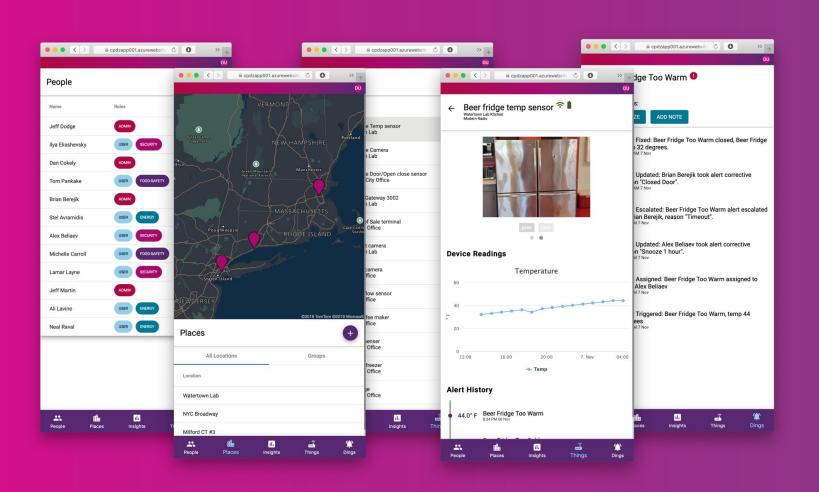
Key business outcomes for retail & restaurants

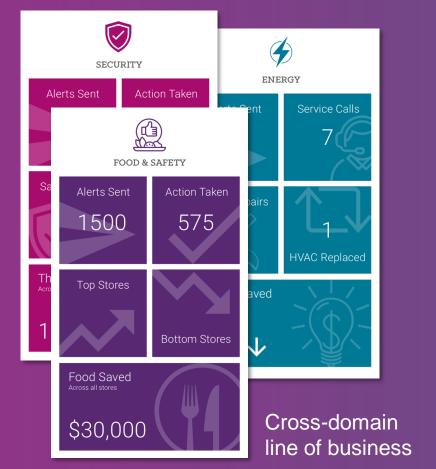
Inventory insight	Optimizing operations	Predictive maintenance	Employee safety
Optimize inventory.	Increase quality & restaurant conditions.	Minimize equipment downtime.	Improve situational awareness.
Improve food safety conditions.	Increase throughput.	Optimize spare parts inventory.	Reduce response times.
Minimize out of stock, shrinkage & losses.	Minimize costs.	Prevent losses due to faulty equipment.	Enhance communications and coordination.

Connected Platform demo



Modern mobile first





IoT integrations Building blocks for any scalable solution

Reduces har feet of the second of the second



Temperature sensors





Door sensors



displays



RFID tags & readers





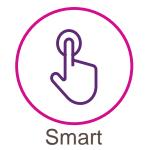
Security / cameras



Vibration sensors



Other data sources



buttons

floorplans

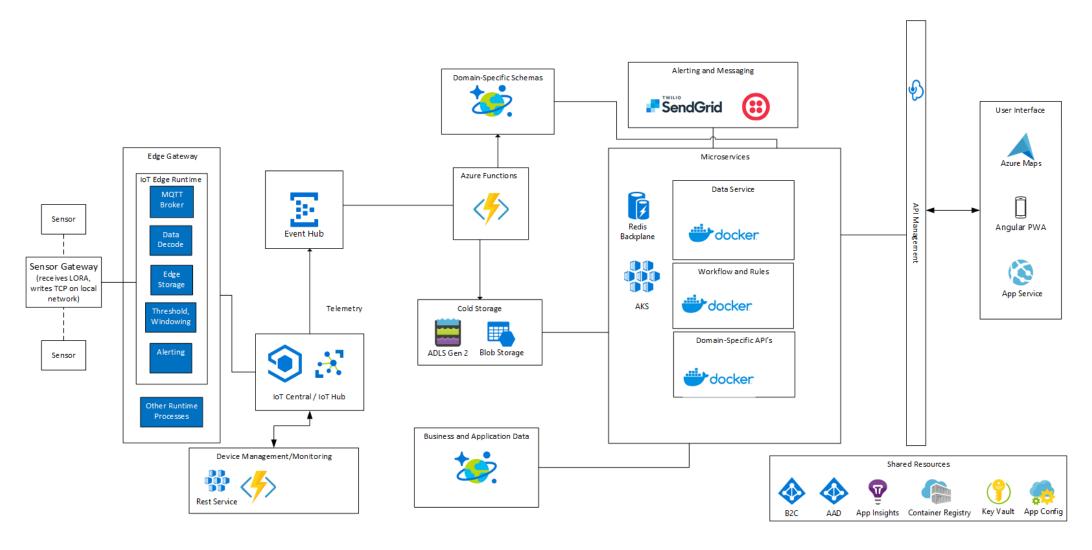


Architectural overview

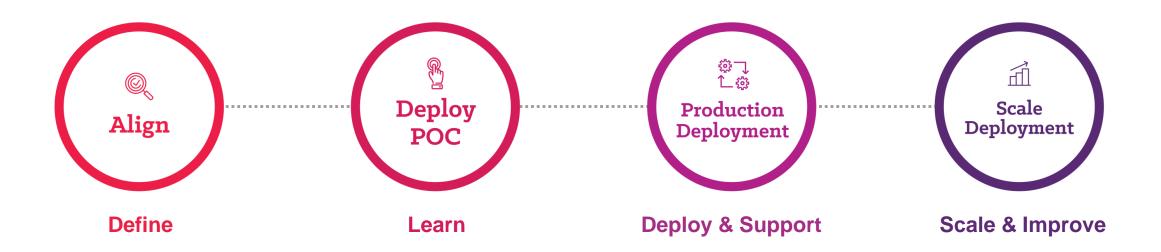
The features and benefits of the Insight Connected Platform have tremendous potential across a variety of use cases...

But how did we actually build it? How do we make it work in a scalable, repeatable, cost-effective, secure way?

Insight Connected Platform architecture



Repeatable, enterprise-wide deployment model



Thank you.

Contact <u>connectedsolutions@insight.com</u> to learn more.





