



# DXC Intelligent Boost

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**DXC Intelligent Boost** is a next generation IoT end-to-end platform that provides actionable Analytics. Built on Microsoft PaaS Cloud services to provide a ready to use and fully managed Solution Accelerator delivering specific use cases that solve common challenges for companies. Deliverable in weeks rather than months or years and are significantly less cost than traditional solutions.



## DXC Delivers:

- Expert industry consulting services to help our customers identify where and how to start improvements and prioritize their investments
- A comprehensive fully configured and managed cloud and edge platform using native Azure PaaS specifically to provide Smart Solutions
- Standard solution accelerators to lower project and transformation costs and expedite improvements for customers
- A specialized delivery team ensuring our customer business outcomes are achieved within their required timescales and with minimal disruption



## Key Benefits Driving Value:

- Intelligent Boost can be offered in multiple guises including SaaS (ease, cost, support end to end), Customer tenancy (designed to integrate with current footprint) and Specific Consultative Services (customer project specific requirements)
- Reduces Onboarding Cost and TCO – Faster time to value than building own solutions on Azure
- Achieves Business Value Faster – Less cost and risk for customers than building and supporting their own solutions
- Highly Scalable / Secure and Supported
- Integration with Operational Technology (OT) and IT

# Intelligent Boost, Smart Solution Accelerators

Microsoft Azure IoT and Advanced Analytics services in a fully integrated and managed platform to provide Smart Solution Accelerators to expedite value for our customers.

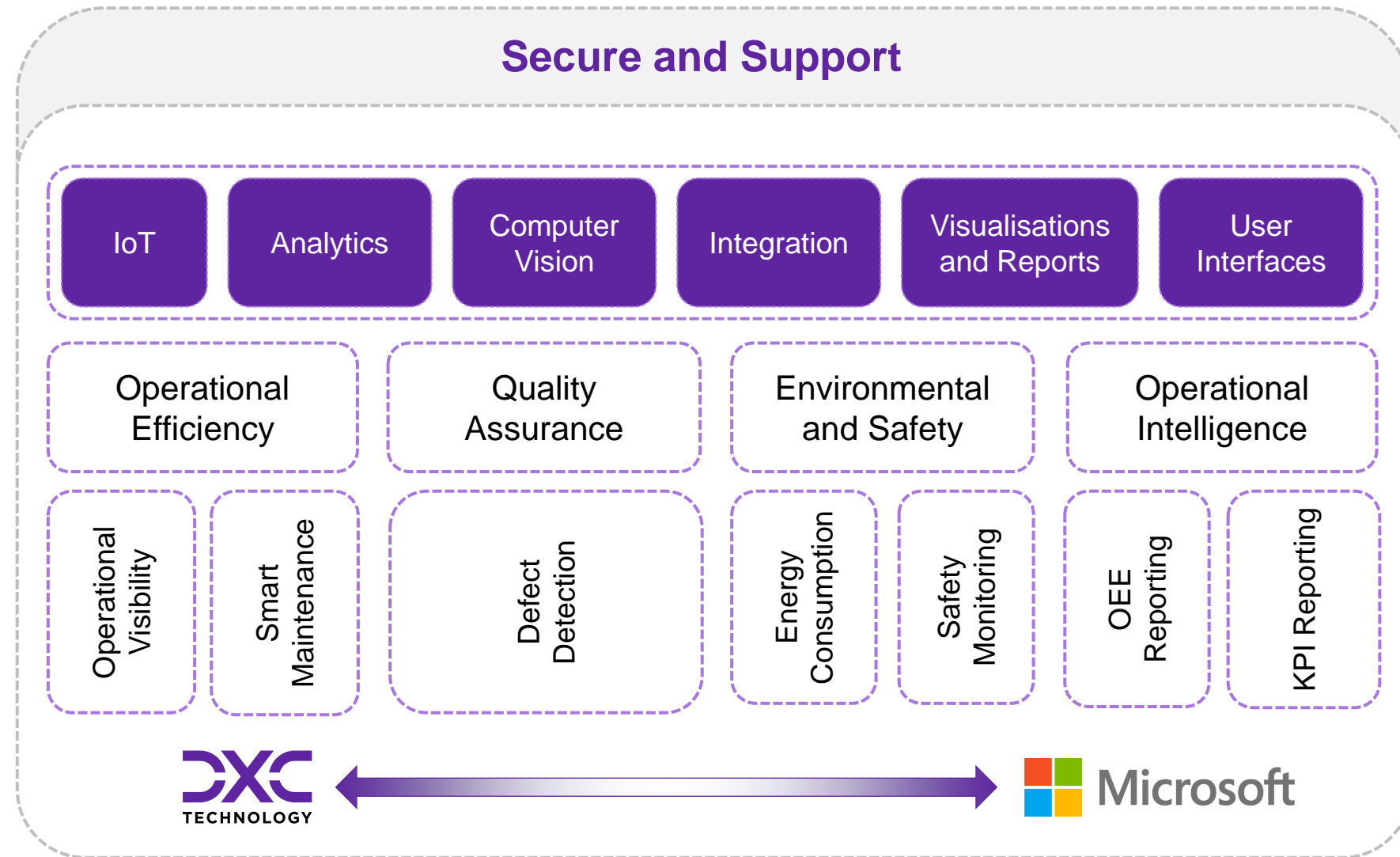
**Intelligent Boost Built on Microsoft Technologies**

**Accelerator Domains**

Intelligent Boost, Digital Capability Focus Areas

**Accelerators**

Packaged Solutions with Pilots



# Typical IoT Challenges

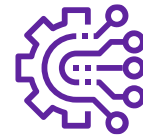
Overcome by Intelligent Boost

Leveraging **Intelligent Boost** can solve many of your “Custom Build Challenges,” but other issues needed addressing



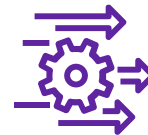
## Business Resource Availability

Intelligent Boost’s **pre-built solution** along with its **IoT experts** are **reducing** the load on business resources



## Highly Utilized Production Assets

Intelligent Boost can use **retro-fitted smart sensors** and provides **OT automation experts** to **reduce** downtime to production during deployment



## Complications of Machine Level Data

Intelligent Boost’s **simplified integration** **reduces** the complications of accessing machine data sources



## Multiple Sources of Data

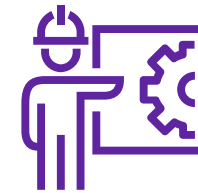
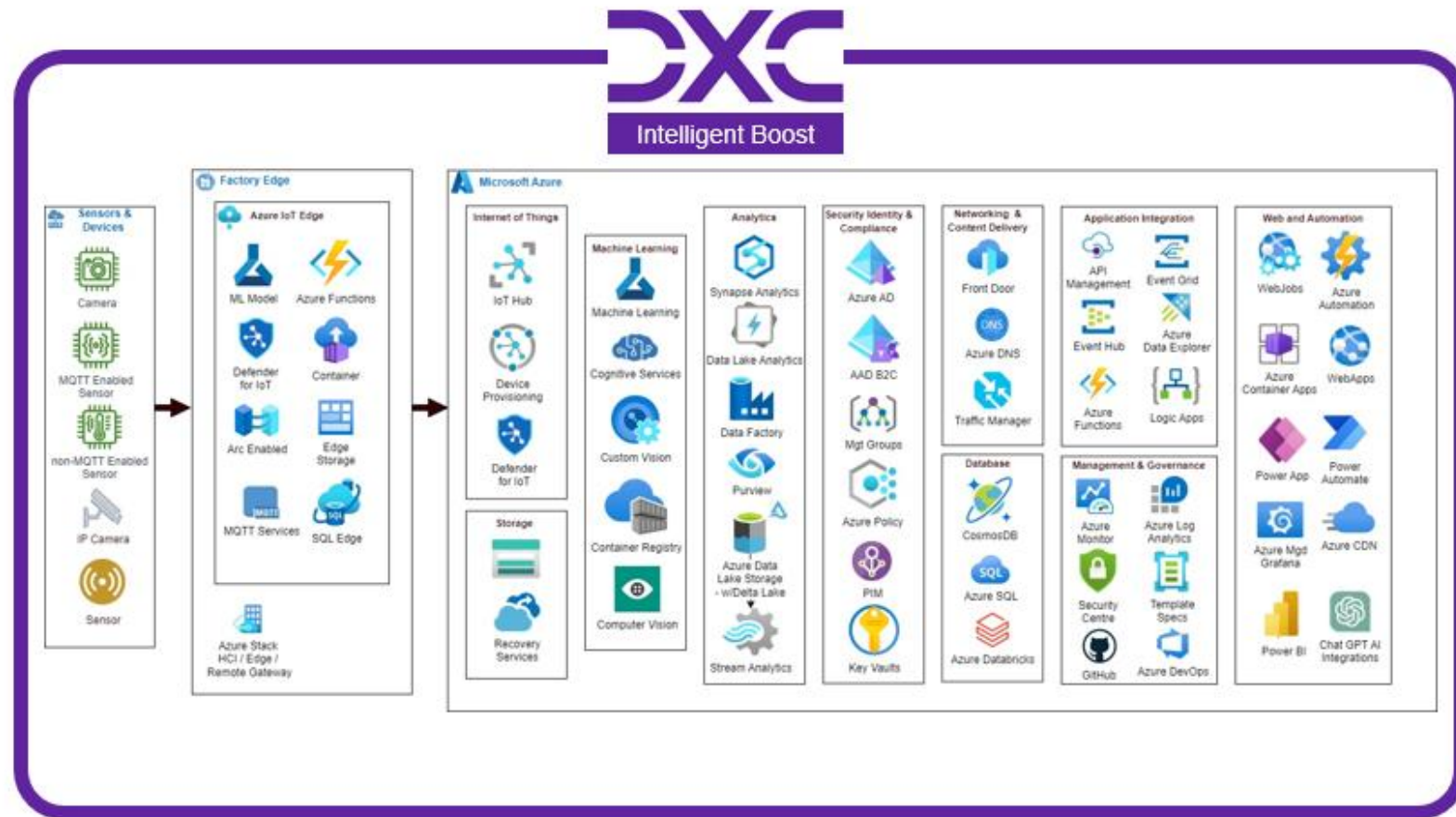
Intelligent Boost’s **pre-built design architectures** are **reducing** the time to determine which data is required to achieve the business outcome



## System Connectivity/Security

Intelligent Boost’s **pre-built solution** has been through **multiple security reviews** and been through the **Azure’s Well Architected Framework**

# Combining DXC Intelligent Boost with Microsoft Technology to achieve business transformations



## Smart Solution Consulting

- Helping our customers identify where digital capabilities can improve their production and distribution processes
- Helping our customer with training, communication and cultural changes to ensure they achieve improvements
- Helping our customers understand new insights into processes from the solutions



## Smart Managed Solution

- IoT specialists in designing, engineering and deploying the DXC accelerators into customer factories
- Analytics experts to develop the algorithms and models required by our customers to achieve the outcome

# DXC's Steps To Achieve Value For Our Customers

**0** Helping our customers identify where IoT and Analytics can improve their production and distribution processes against their strategic priorities

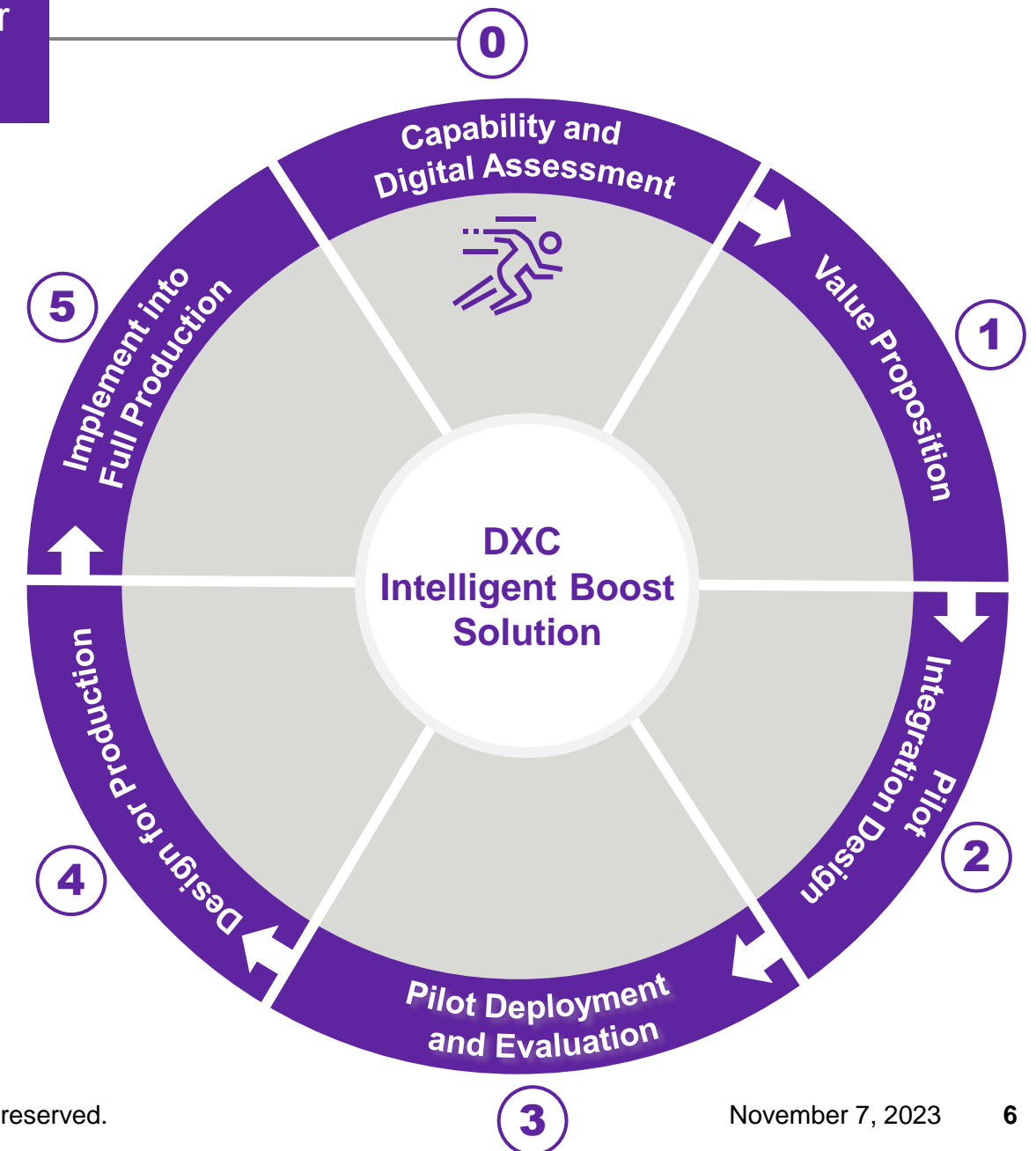
**1** **Value Proposition** to confirm accelerator pilot ROI

**2** **Pilot Integration Design** to implement the DXC Smart Boost accelerator solution into operations and/or distribution

**3** **Pilot Deployment and Evaluation** to validate the accelerator solution's goals

**4** **Design For Production** to scale design into a full live production solution

**5** **Implement into Full Production** for our customer to realize the value of the solution

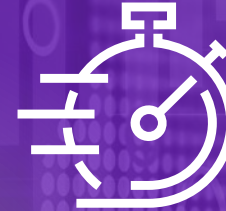


# DXC Intelligent Boost – Benefits

Comparing DXC Intelligent Boost platform to self building and managing IoT and Analytics solutions using cloud suppliers and/or using multiple integrated vendors products



**Reduces Onboarding  
Cost and TCO**



**Achieves Business  
Value Faster**



**Solution Accelerators**



**Secured and Supported**



**Highly Scalable**



**Integrates with OT and IT**

**More detail Slides**



# Challenges we are hearing from our customers



# DXC Intelligent Boost – Market Differentiators



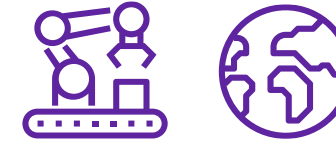
## Reduce Cost and Risk

1. Removes many months of design and deployment cost
2. Lowers cloud consumption cost by using a mature, streamline and optimized cloud architecture
3. Lowers support costs
4. Pay as you go – only pay for what you use with no unused licenses capacity
5. Provides significant economies of scale
6. Evergreen service – no future upgrade costs
7. Lowers customer risk in adopting cloud and edge IOT and analytics technologies



## Secured and Supported

1. Fully supplied, managed, secured and supported by DXC
2. Resilient by design achieving 99.9%
3. Each service component has built-in redundancy for disaster recovery



## Multiple Use Cases and at Scale

1. Portfolio of ready-built solution accelerators (80% ready with customer configuration settings)
2. Extensible platform – use the platform for other factory and distribution, and supply chain and retail use cases
3. Scalable globally with limitless data volumes and users

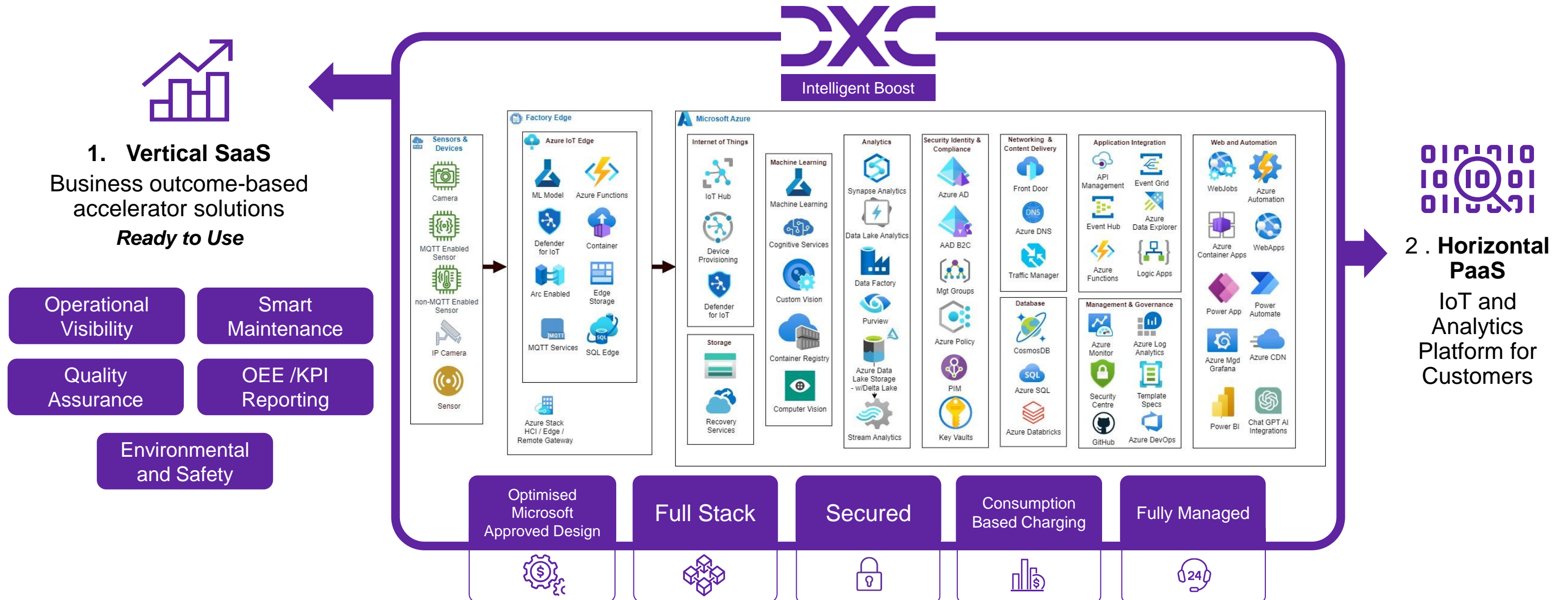


## Accelerates and Out-of-The-Box Interfaces

1. Rapid Deployment – solution accelerators are delivered in hours and configured in only weeks
2. Pilot a solution accelerator from 1 to 6 months move to production within only 2 weeks
3. Integrates with ALL your manufacturing systems

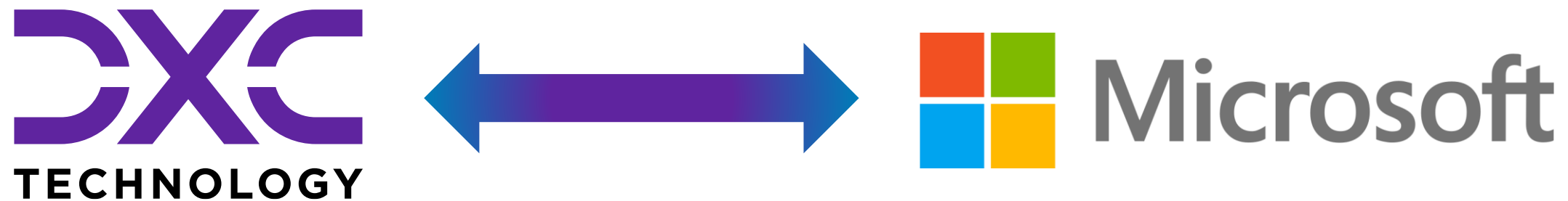
# What is DXC Intelligent Boost?

A full stack edge and cloud **Smart Solutions Platform on Azure** – fully managed using **DXC Services**, using **Microsoft Azure SaaS services** and **Dell Products** to provide Smart Production and Distribution solutions



# DXC Intelligent Boost

To accelerate increased revenue for companies, **DXC** and **Microsoft** have partnered to help our customers optimize product development, manufacturing, supply chain and distribution with IoT and Analytics capabilities.



**DXC Intelligent Boost** has been developed for companies to easily buy and configure IoT cloud solutions to build great brands, increase organizational dynamic response to market opportunities, and drive operational efficiency with proven, industry-specific innovations and solutions.

# DXC Intelligent Boost

A DXC Smart Offering in partnership with Microsoft that provides customers with a faster, lower risk and more cost-efficient way to use and scale the power of IoT and Analytics to achieve improvements across their operational processes

## DXC Delivers



DXC industry consulting services to help our customers identify where and how to start improvements and prioritise their investments



DXC has built a comprehensive fully configured and managed cloud and edge platform using Azure specifically to provide Smart Solutions



Pre-built solution accelerators to lower solution and transformation costs and expedite improvements for our customers



The DXC specialised delivery team ensure our customer business outcomes are achieved within their required timescales and with minimal disruption

# Challenges Using IoT and Analytics Capabilities



What is the right IIoT architecture for my business – **designing architectures means investment in expertise and time**



Software packages often need hosting and considerable configuration to achieve any business value – **leading to long and expensive deployments**



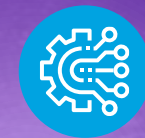
I want to start now with small investment and scale overtime – **choosing a platform that can't scale from very small to very large can stop digital initiatives from starting or continuing**



End-to-end solutions often require over 20 different vendors – **making these solutions complex, expensive and hard to manage**



Data analysts are required to develop all the algorithms and models – **these are often hard to find and expensive to acquire from the market**



I need a platform that can cope with all my current and future data and Smart Manufacturing use cases – **choosing the wrong platform can lead to additional investment and longer to achieve business benefits**



How do I support and secure my IoT and Analytics platforms – **leading to expensive support**



How do IoT and Analytics solution converge OT and IT systems and departments – **solutions that don't cover both can't deliver business improvements**

# Drive Value with Intelligent Boost



**We Have the End-to-End For Smart Solutions –  
Ideation to Benefit Realization for our customers**

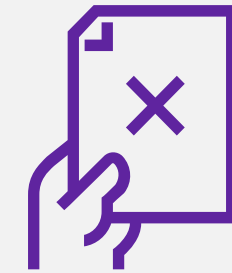
# Driving Specific Value



**Faster time to value than building own solutions on Azure**



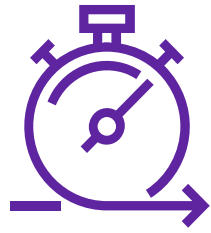
**Less cost for customers than building and supporting their own solutions**



**Less risk to customer by using pre-built solutions and delivery capabilities**



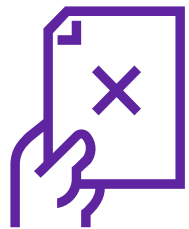
# Driving Specific Value



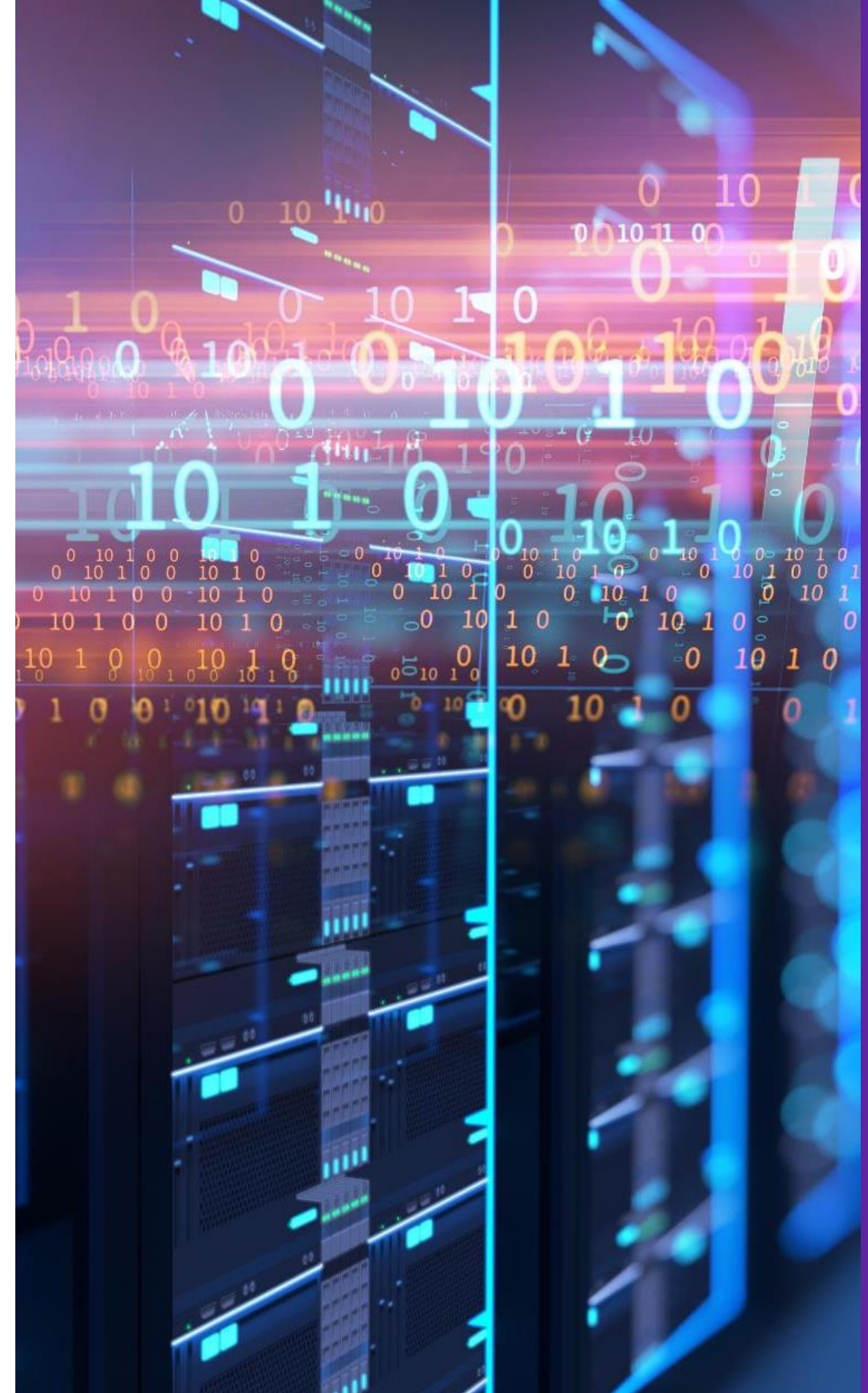
**Faster time to value than building own solutions on Azure**



**Less cost for customers than building and supporting their own solutions**



**Less risk to customer by using pre-built solutions and delivery capabilities**



# Solutioned Offering Accelerators for Intelligent Boost



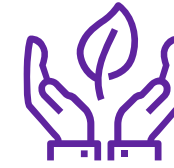
Intelligent Boost



Intelligent Boost



Intelligent Boost

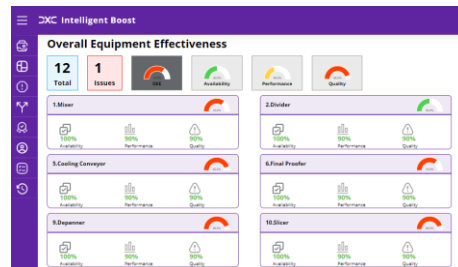


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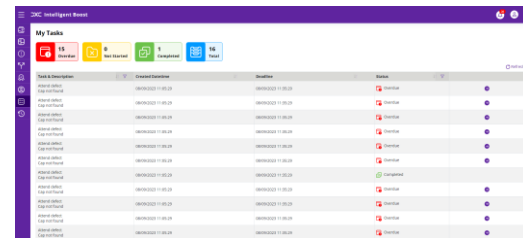
Intelligent Boost

## Operational Visibility



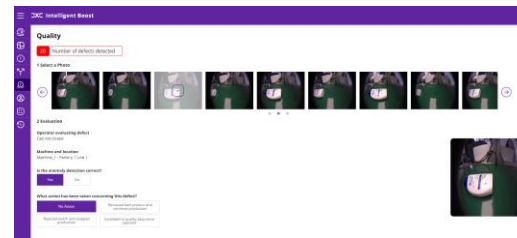
Provides Users and Management with the real-time visibility of conditions with alarms when thresholds are breached across the Enterprise.

## Smart Maintenance



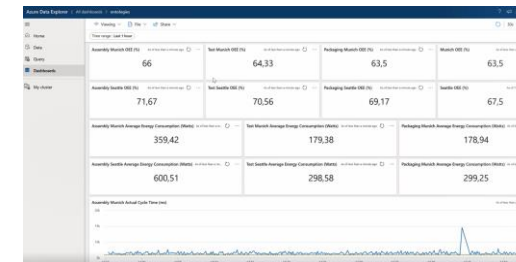
Provides Maintenance teams with visibility of health status across various conditions with an alert system that is triggered when a device or machine deviates from its established baseline condition.

## Quality Assurance



Using Computer Vision to detect defects with products during operations. Provides real-time alerting when anomalies are detected for Management to make informed and timely decisions towards remediation actions required.

## Environmental / Safety



Providing both real-time and historical reports on energy usage during operation enables Management to reduce non-productive energy consumption and allows the Continuous Improvement teams to understand where improvements can be made to optimize/balance energy consumption.

## Operational Intelligence

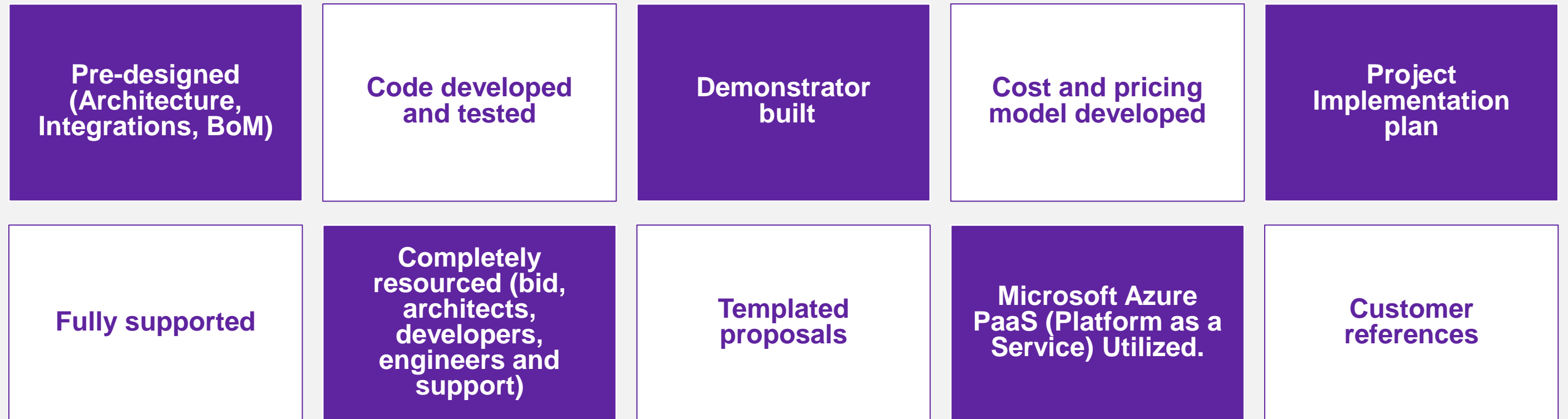


Providing reports on key performance indicators by combining data sources. Allows Management and Continuous Improvement teams to make more informed and timely decision on where improvements, re-configuration and supply chain changes are required, as well as what the impact of change is to the balance sheet and customers.

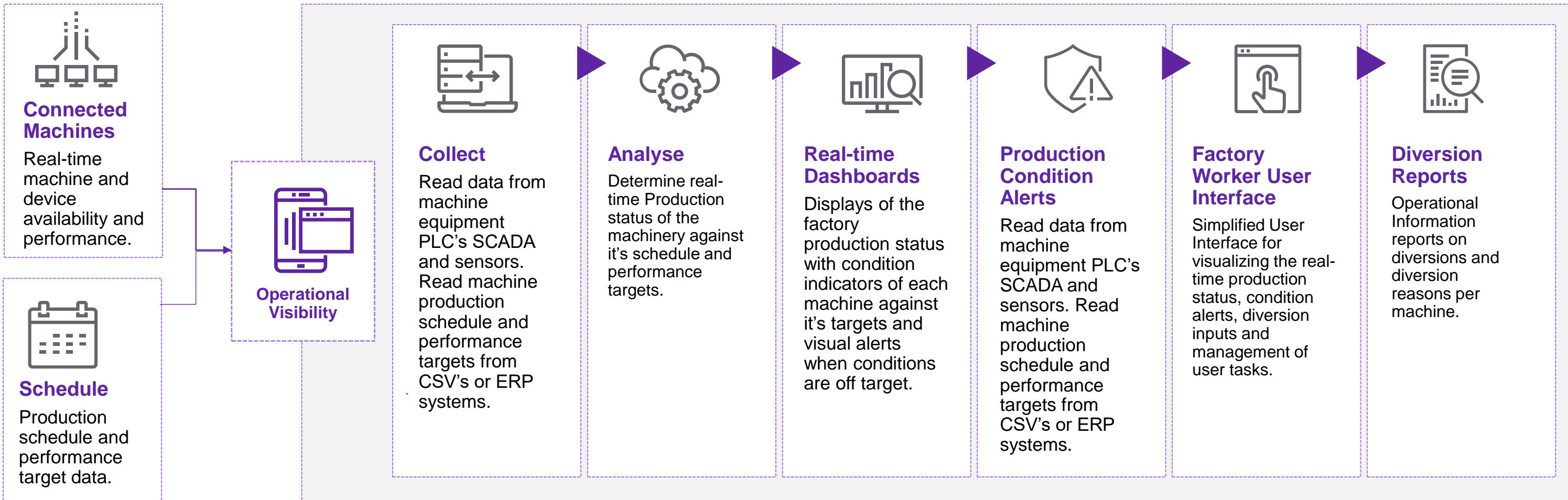
# The Accelerators

DXC Definition

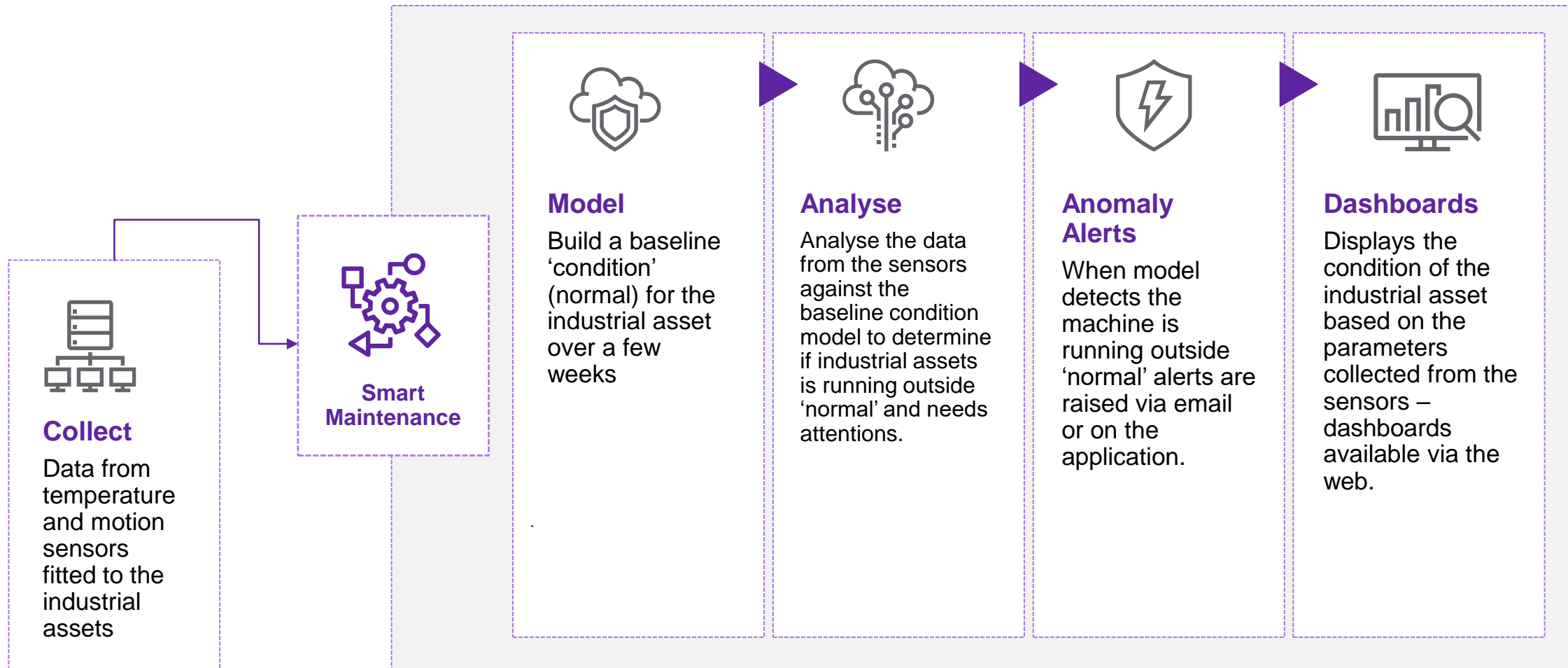
## What is an Accelerator?



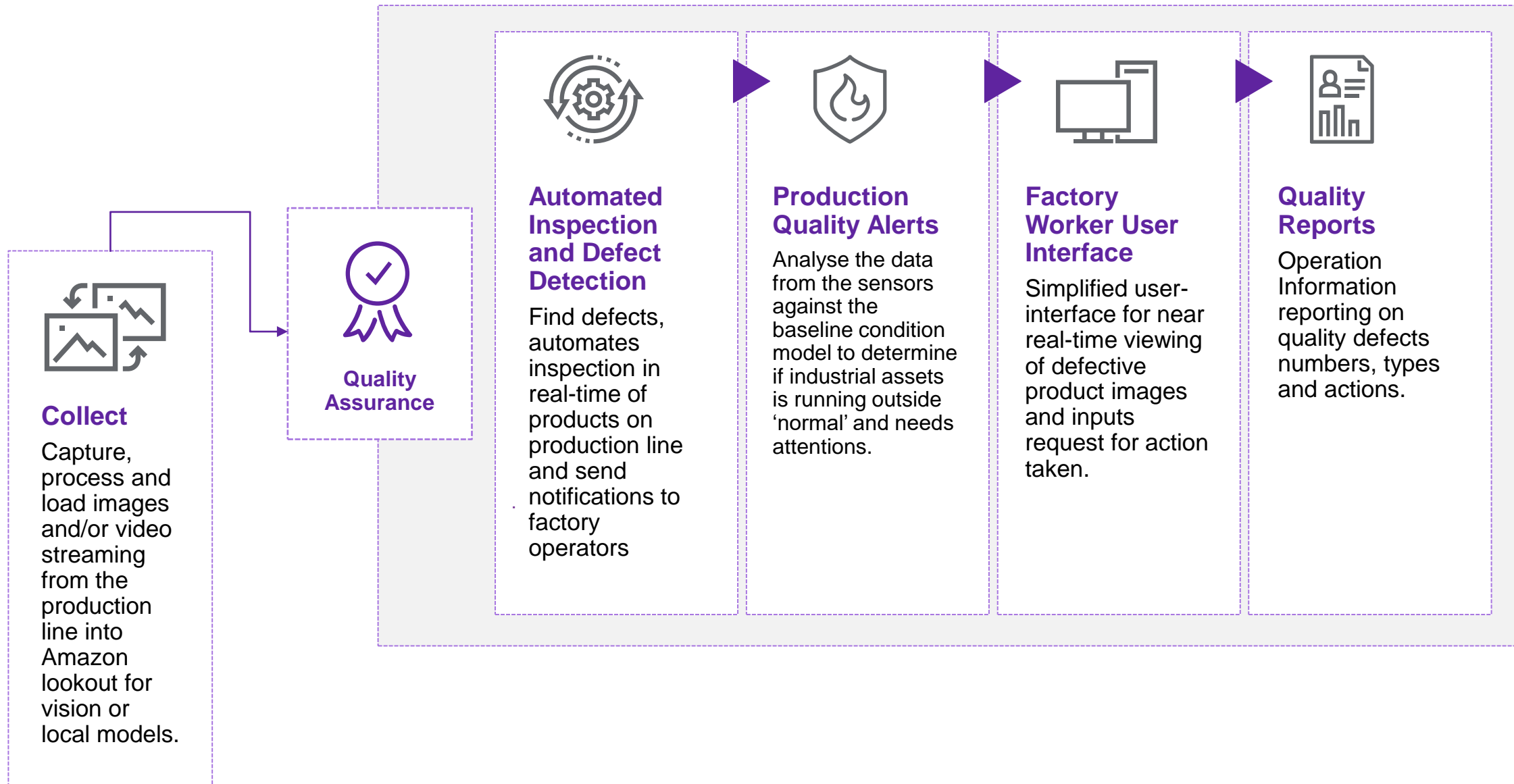
# Offering Accelerators – Operational Visibility



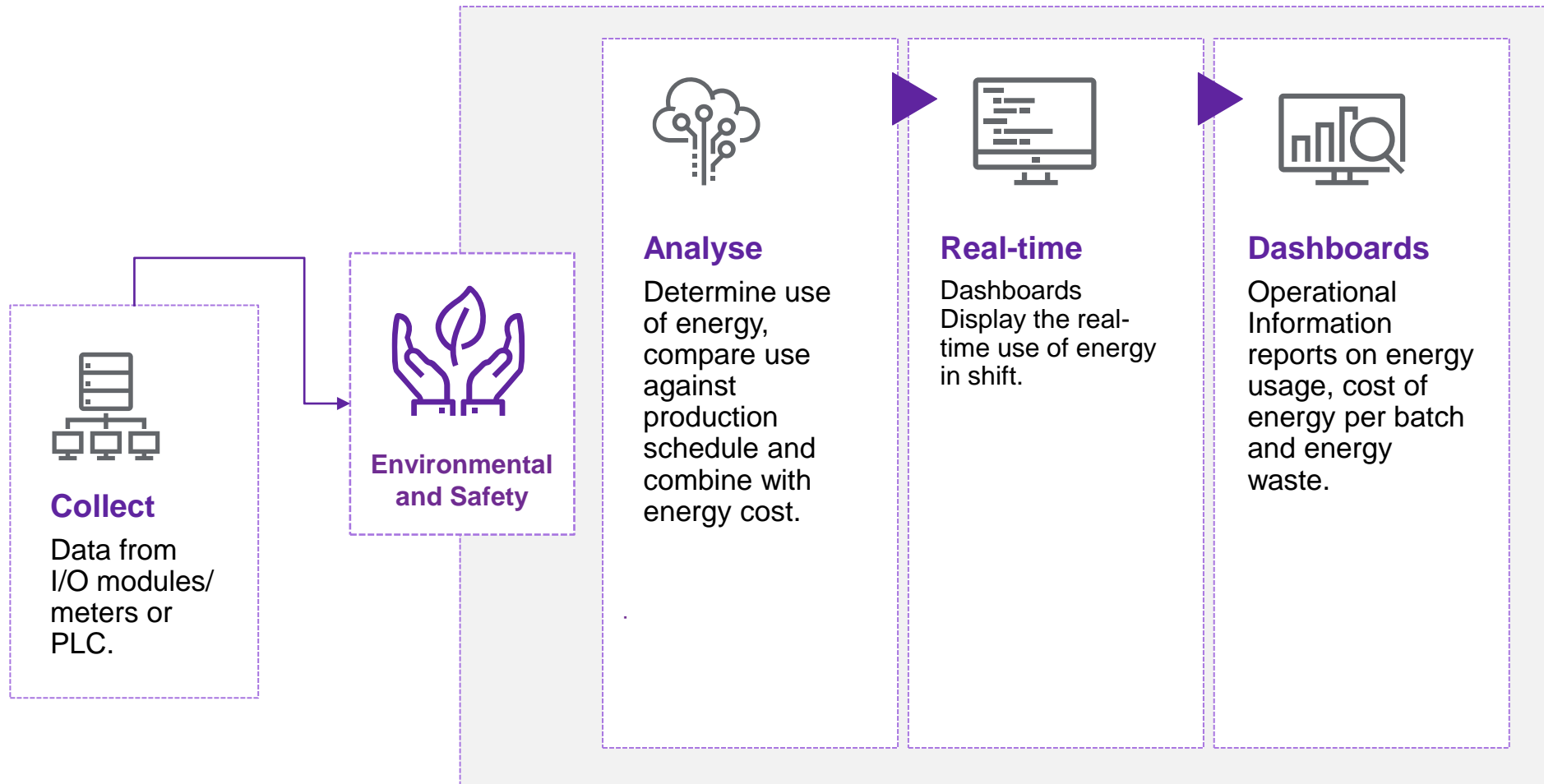
# Offering Accelerators – Smart Maintenance



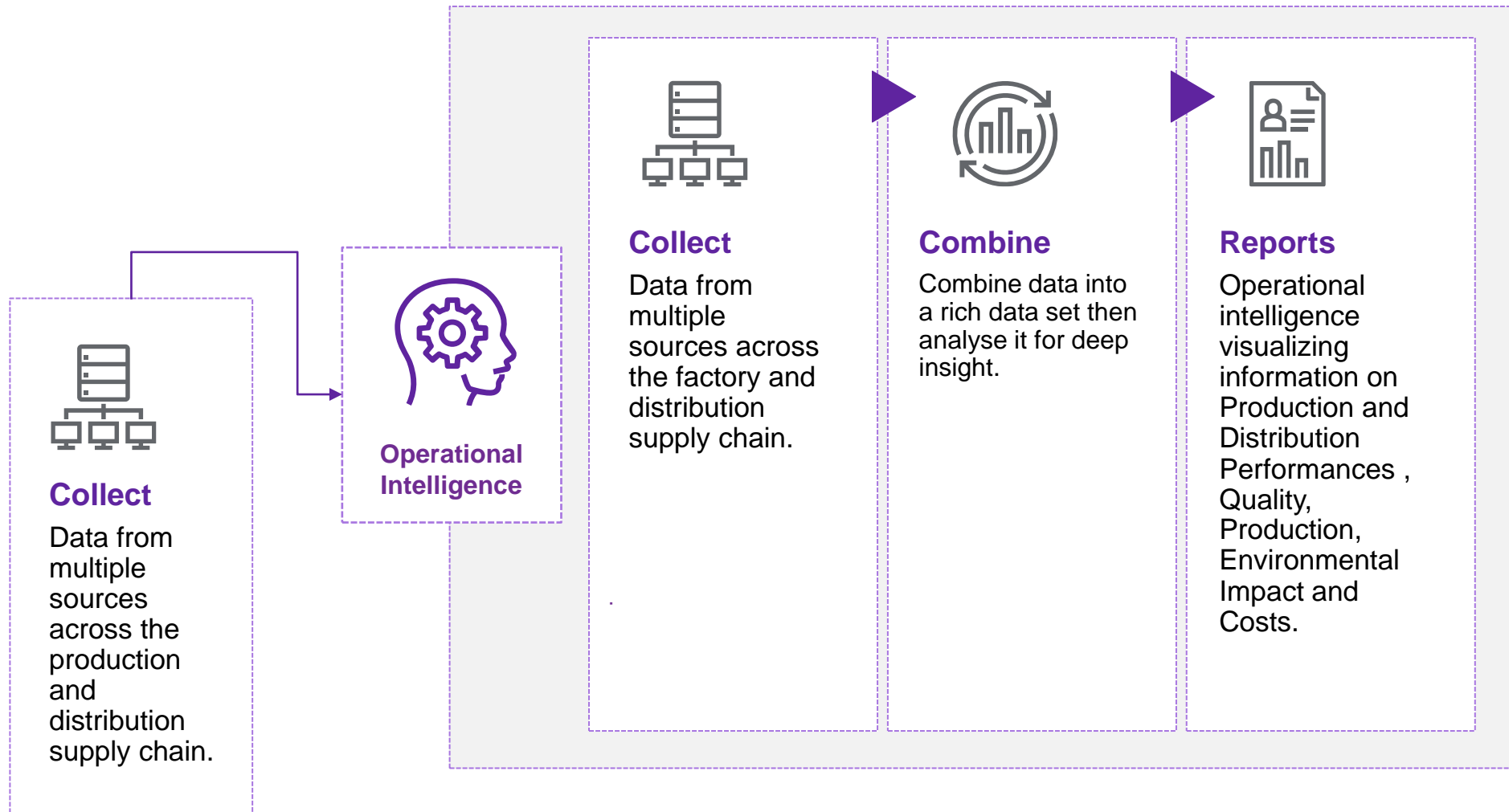
# Offering Accelerators – Quality Assurance



# Offering Accelerators – Environmental and Safety



# Offering Accelerators – Operational Intelligence





# Combining Our Accelerators



# DXC's Microsoft Native Strategy

Overcoming customer challenges

**DXC has approached this complexity challenge by adopting a Microsoft-native strategy for customers that can use cloud services**

**The term 'native' in this case means using Azure's serverless services or platform services. No VMs or Vnet's, no third-party software**

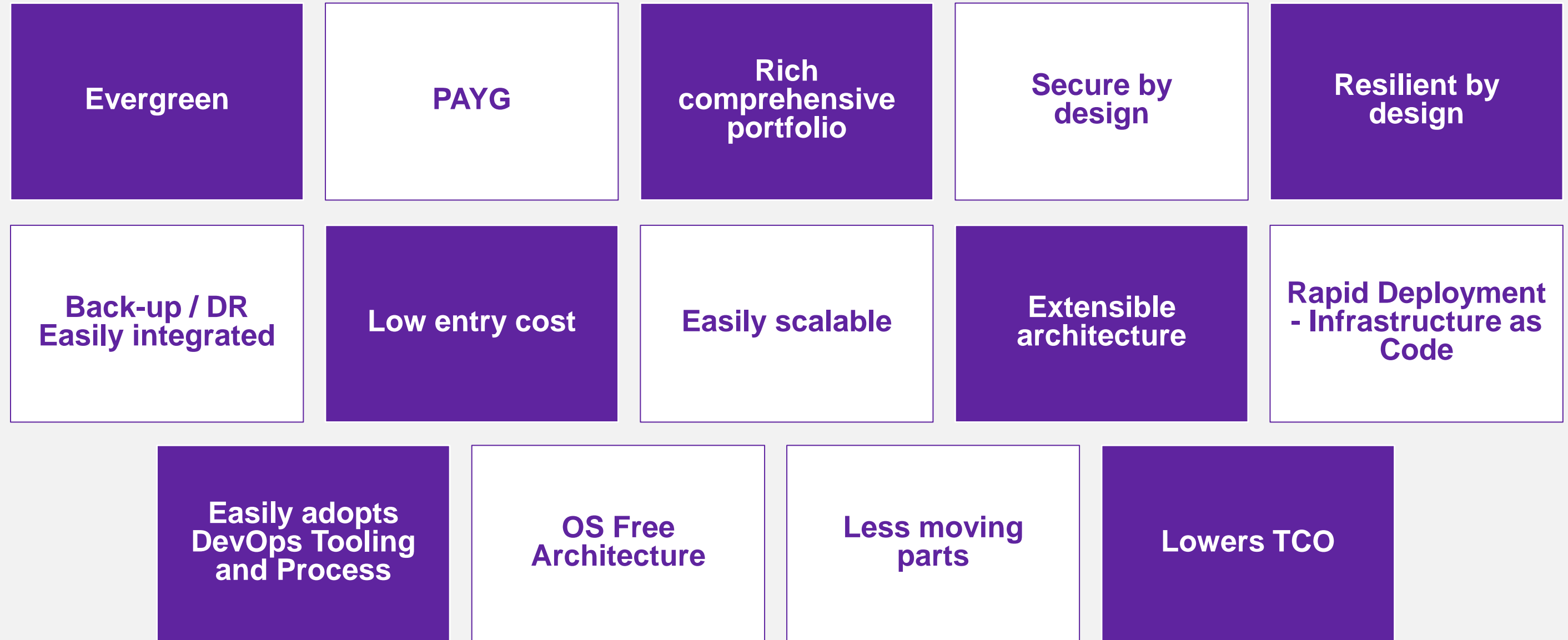
**DXC have applied this strategy by building an end-to-end platform on Azure for customers to achieve operation and distribution process improvements**

**A Microsoft-native strategy allows DXC to develop an entire Industry 4.0 solution on Microsoft platforms from edge to cloud**

**Using Azure PaaS in this way provides an enormous amount of benefit against a Hybrid and Server architecture even when multiple third-party software is hosted on cloud compute**

**DXC have used PaaS to develop pre-built, ready to use and fully managed solution accelerators that deliver platform components for specific use cases that solve common challenges within operational and distribution processes**

# Value of PaaS



# Value of PaaS

- Evergreen
- PAYG
- Rich comprehensive portfolio
- Secure by design
- Resilient by design
- Back-up / DR Easily integrated
- Low entry cost
- Lowers TCO
- Easily scalable
- Extensible architecture
- Rapid Deployment – Infrastructure as Code
- Easily adopts DevOps Tooling and Process
- OS Free Architecture
- Less moving parts



# Real World Drivers

- Increase in Machine availability to improve production rates and utilization
- Reduce Operating Costs
- Improve Safety and Quality. Decrease Failures
- Standardise Maintenance
- Improve process intelligence and visualization and insights
- Streamline processes. Standardisation
- Consolidate disparate systems
- Help innovate and make hypotheses real with Digital Twins
- Increase information to help make more informed business decisions. Predict servicing needs, take preventative action and maintain
- Add value for customers making the business more competitive in the market. Optimise customer experience
- Futureproof infrastructure and processes. Improve flexibility and scale
- To meet regulatory requirements
- Improve quality of data and speed of availability



