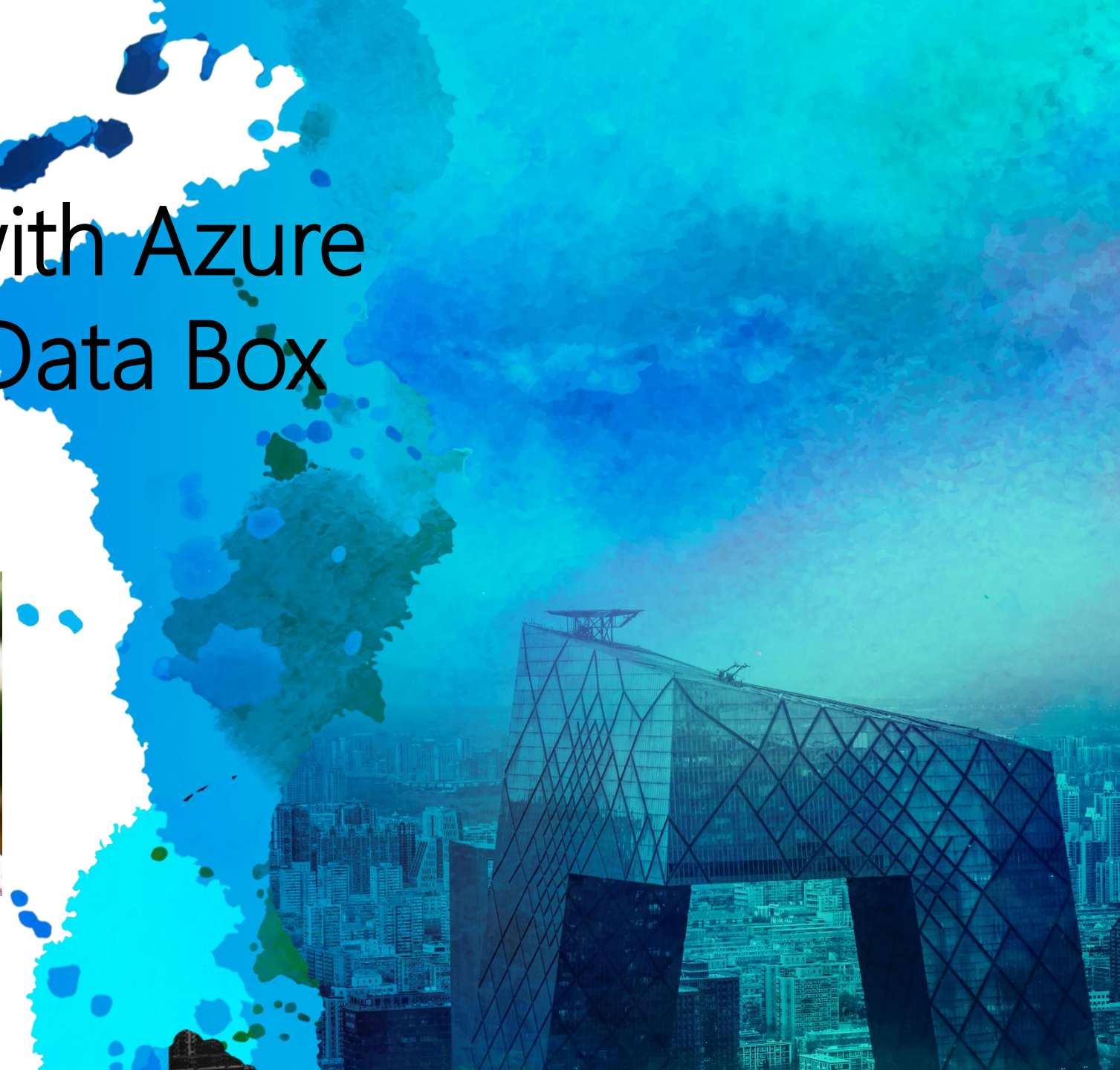


Intelligent edge with Azure Stack and Azure Data Box

Microsoft
Guang Hu
Senior PM

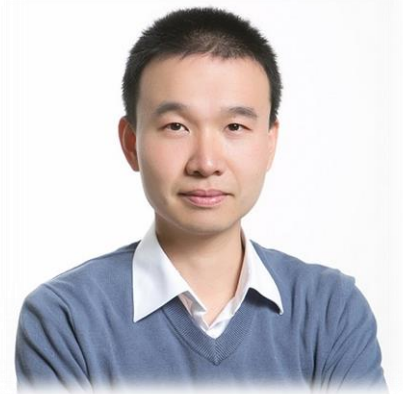




Intelligent Edge with Azure Stack and Azure Data Box

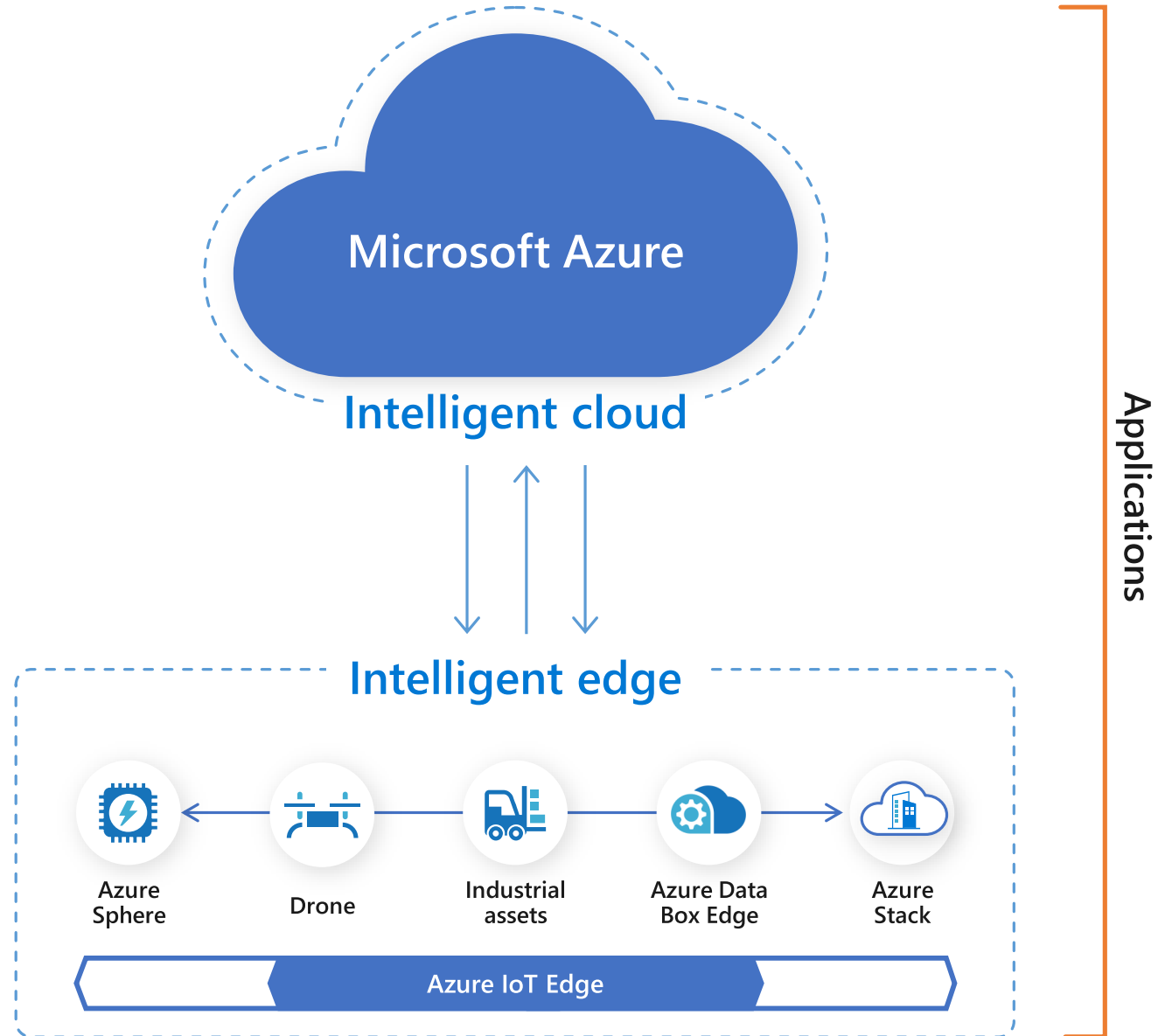
Shawn Mao 毛晓峰
Senior Program Manager

● Azure Stack, Microsoft Cloud + AI



Microsoft Azure

A **consistent** and **comprehensive** platform from cloud to edge



Azure Stack



Complete autonomous cloud

Only consistent hybrid cloud that can run at the connected or disconnected



Cloud application model

Common application model, tools and APIs with Azure simplifying DevOps



Azure Services & Marketplace

Azure web services, containers, Azure Functions, & Azure Marketplace



Integrated System

cloud inspired infrastructure via integrated systems from major H/W partners



Edge & Disconnected



Regulatory & Data Sovereignty



Application Modernization

Azure Data Box Edge



Network Storage Gateway

Network data transport to Azure while retaining local access to files



Edge Compute

Run Azure services such as AI, ML, Stream Analytics, Functions, SQL or bring your own code



Project Brainwave FPGA

Accelerate ML inferencing of images and video streams to get results close to the data source



1st Party System from Microsoft

Acquire and manage through Azure portal for a monthly fee



Data pre-processing at the edge

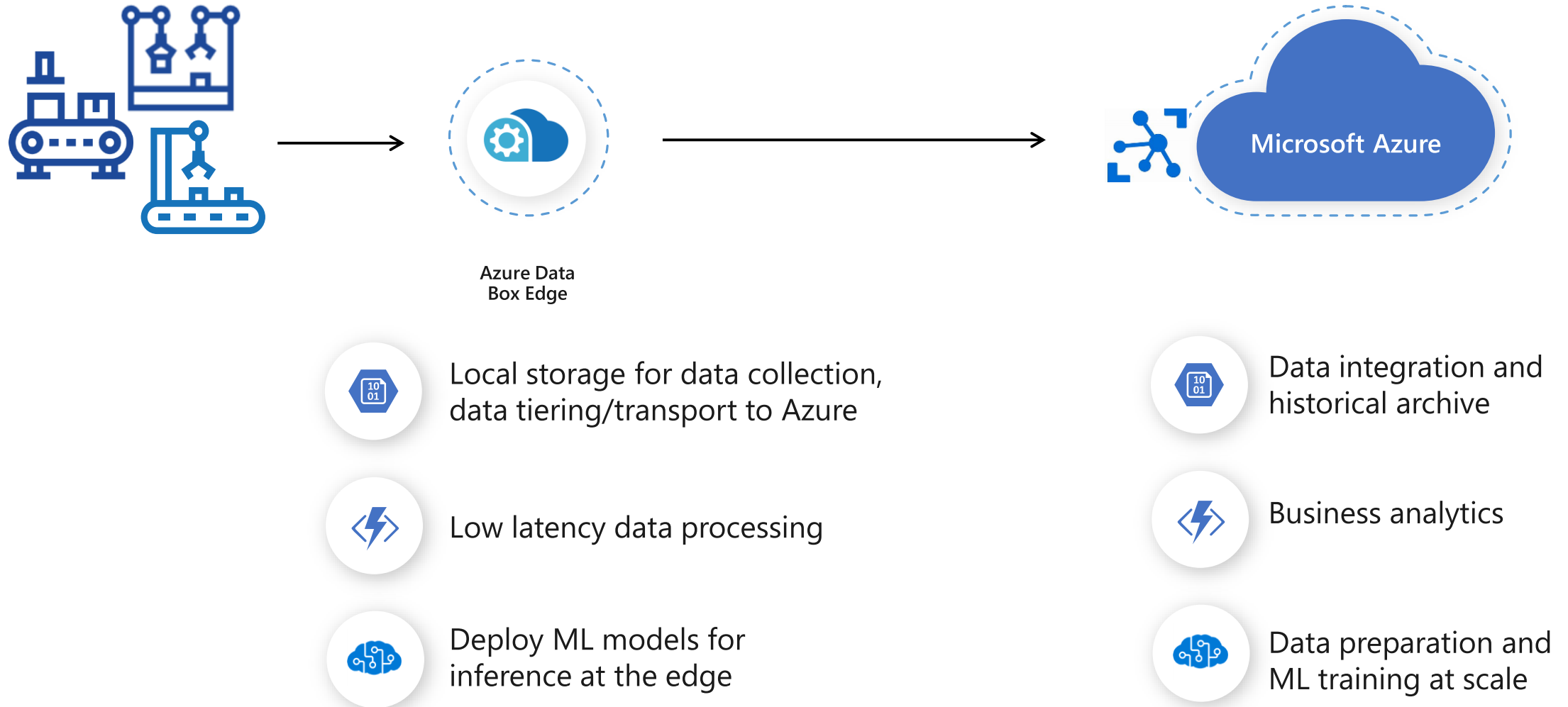


Machine learning inferencing at the edge

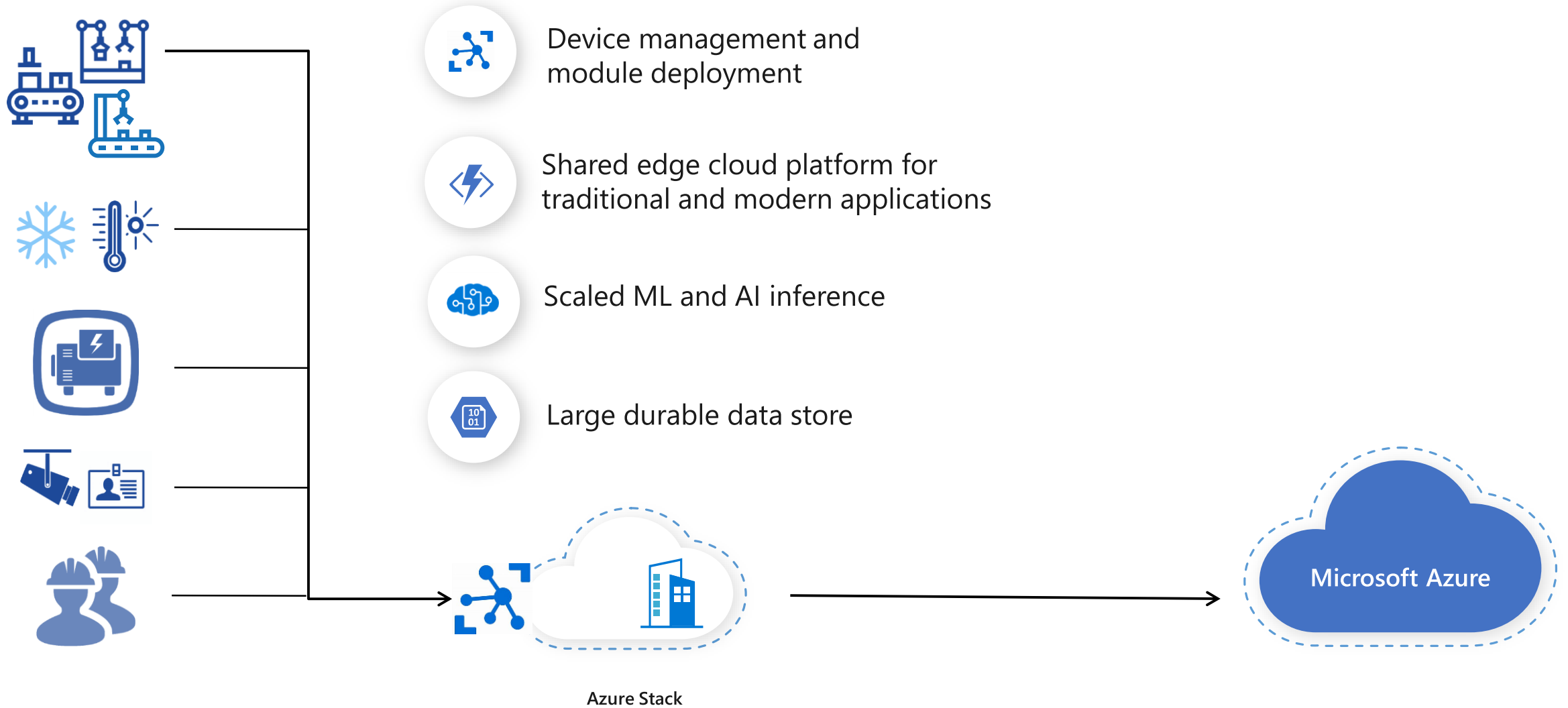


Network data transfer from edge to cloud

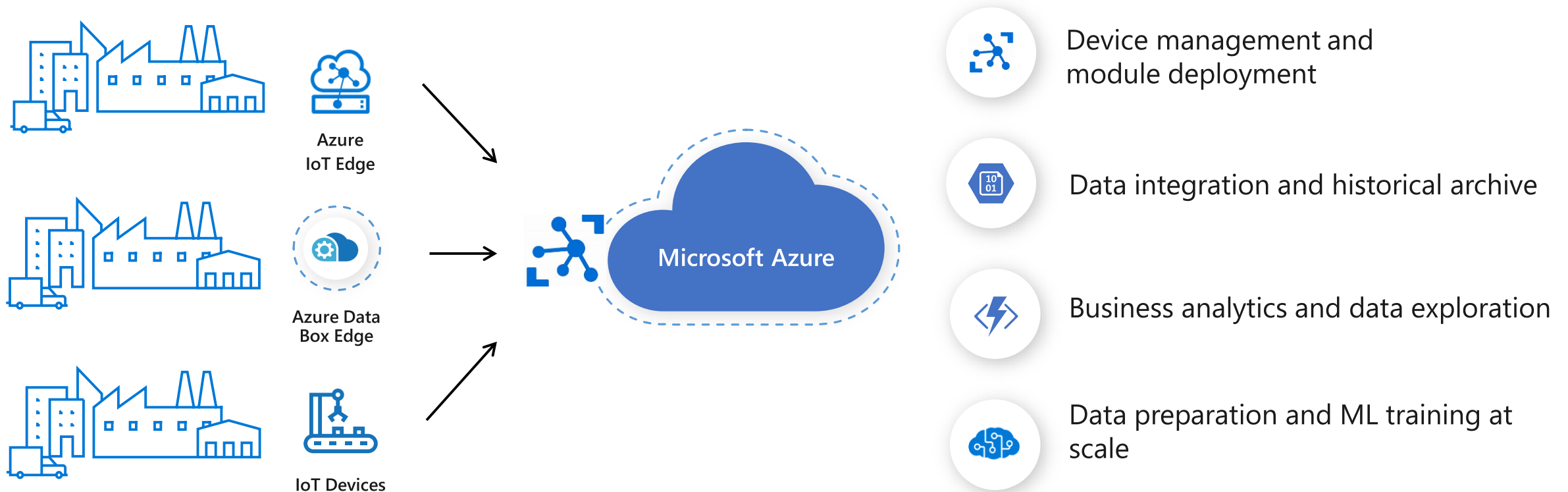
Scenario: Factory automation



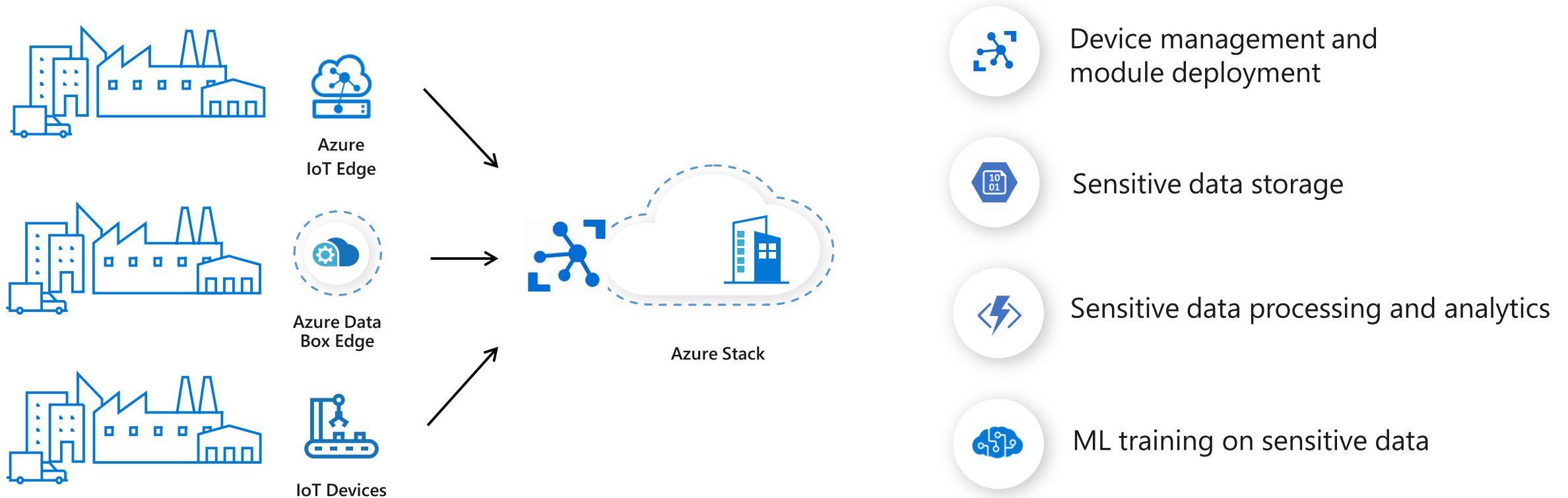
Scenario: Factory cloud



Scenario: Connected environments



Scenario: Regulated environments



The future of computing: intelligent cloud and intelligent edge

<https://azure.microsoft.com/en-us/overview/future-of-cloud/>

Data Box Edge (preview)

<https://azure.microsoft.com/en-us/services/storage/databox/edge/>

Azure Stack

<https://azure.microsoft.com/en-us/overview/azure-stack/>

