

# Vixtera IIoT Business Primer

Vixtera is developing the IIoT edge software and delivering integrated solutions to industrial Enterprises, Manufacturers and VARs aiming to streamline IIoT deployment and operation.

The ready-made software framework (ViEdge) is architected as a collection of connected microservices and container-based workloads unified by purposely-built processes and functions. Combined with innovative features powered by patented technologies, it accelerates asset management and decision making, expands operational visibility and reduces the cost to automate infrastructure and operation.



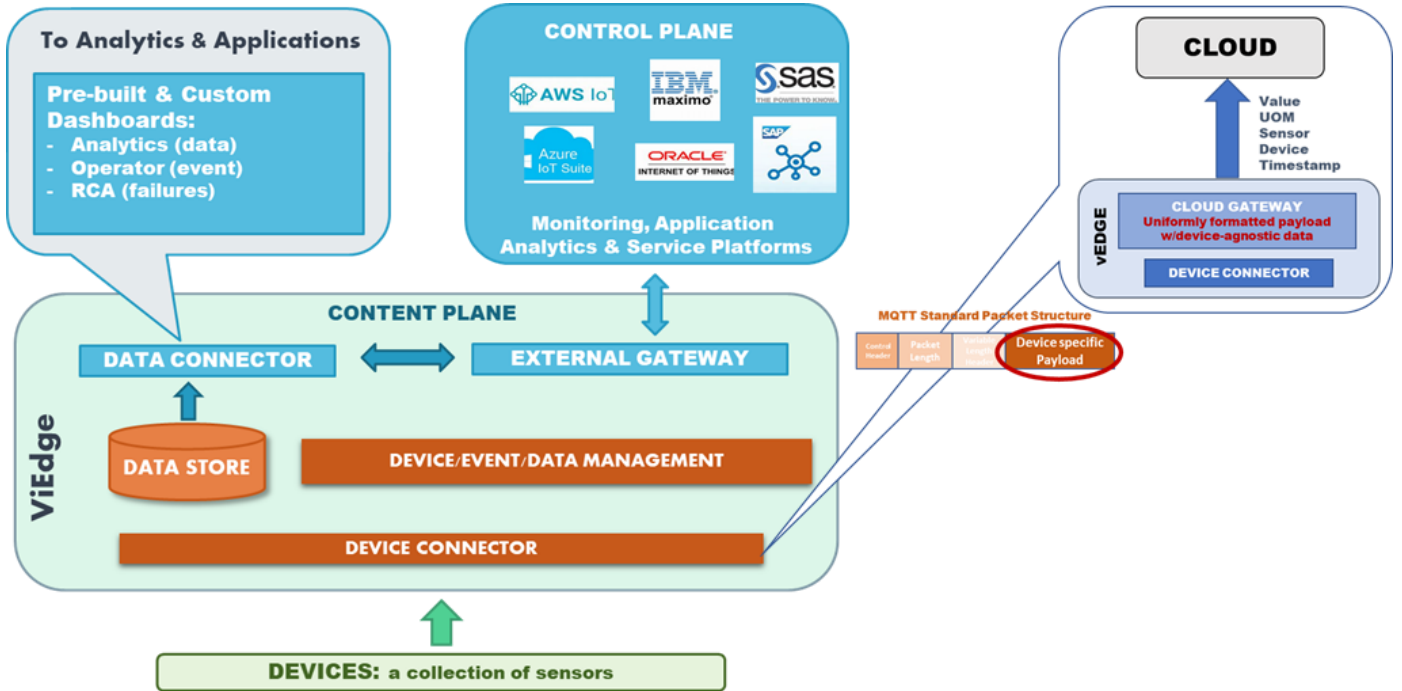
## Unique Value Proposition

- **Ubiquitous Connectivity and comprehensive device management**  
A patented declarative protocol delivering high velocity of device on-boarding and maintenance across ANY communication protocol or device brand/type. No drivers, SDK or DIY software is required.
- **Instant failure detection and prevention in plurality of connected ecosystem**  
A patented algorithm helping to promptly identify the root cause and a chain of events that's leading to a problem setting out the opportunity for speedy failure detection and prevention of potential breakdowns.
- **Auto-generation of AI/ML labeling reducing cost and complexity of predictive services**  
A patented technique to strengthen trustworthy predictive analysis utilizing source of failure (and chain of events that's leading to a problem) as a reliable label (and patterns) for NN training and AI/DL modeling.
- **Multifaceted data curation instantly yielding meaningful information to the outcome-based applications**  
A progressive methodology for instant event data collection, processing, and analysis at the edge. Eliminates duplication of metadata whereas reducing frequency and size of transmitted data; contextualizes and aggregates relevant event data providing reliable and timely insight across IIoT ecosystem.
- **Application enablement delivering quick and resolute actions**  
A descriptive mechanism for instant extraction, aggregation, and classification of meaningful event and data at the edge. A "drag-n-drop" Query Builder UIs for rapid delivery of custom analytics and applications. A seamless connector to external analytics platforms, cloud and services.

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## Seamless Edge-to-Cloud Integration

Vixtera IIoT edge software framework (ViEdge) is designed as an intelligent dynamic connector, a gateway - a synergetic content plane to ANY control plane solution. It facilitates instant extraction and classification of meaningful event and data on the edge managed by highly customizable Query Builder UIs and applications, while quickly delivering aggregated relevant data to the cloud for further processing and analysis. The ViEdge provides cohesive physical to logical interconnectivity, including composing of uniformly formatted easily readable MQTT payload, fusing disparate devices, applications and data-driven services across single data plane without needs for frequent patches, additional software and endless integration.



## Value Offering

- \* Ready-made software framework (ViEdge)
- \* Ease of onboarding, maintenance and management
- \* Comprehensive data governance, including data curation
- \* Real-time visibility, failure detection and prevention
- \* Seamless device-to-cloud/application integration
- \* Multi-domain Expertise and Professional Services

## Target Verticals

- \* Industrial Automation
- \* Electrical/Electronic Engineering
- \* Mechanical & Industrial Engineering
- \* Mining & Construction Industries
- \* Power Utilities

## Target Segments

- \* Enterprises
- \* Manufacturers
- \* Value-Added Resellers (VARs)
- \* System Integrators
- \* Data Centers



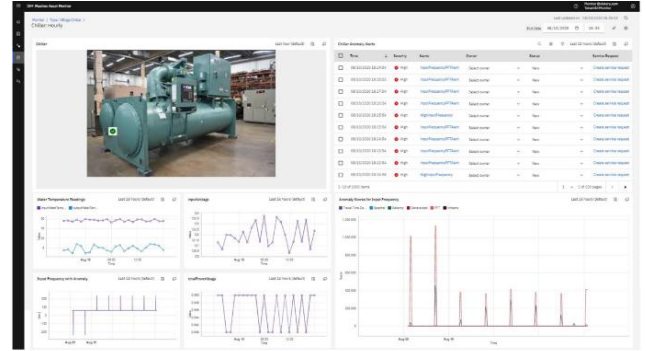
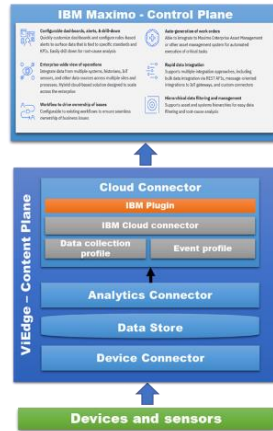
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## USE CASE #1:

## High visibility/predictive maintenance - Food-processing Enterprise

### BENEFITS

- \* Continued operation
- \* Eliminated breakdowns and costly repairs
- \* -100% in machine downtime



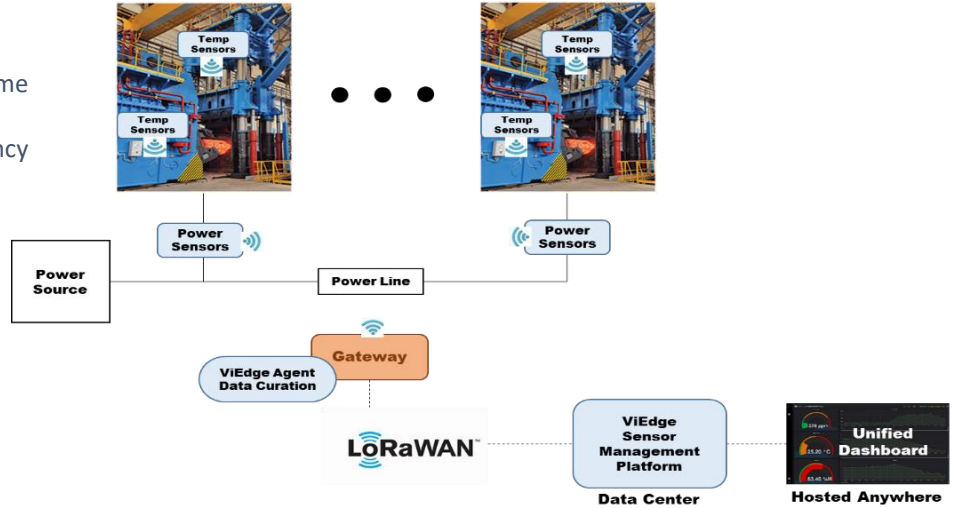
- ✓ **READY-MADE**
- ✓ **PLUG-N-PLAY**

## USE CASE #2:

## High visibility/real-time failure detection - Large press-forging Manufacturer

### BENEFITS

- \* Improved visibility & control
- \* 2x in reduced operation downtime
- \* Reduced maintenance cost
- \* Improved productivity & efficiency



## USE CASE #3:

## Automated supply chain - Large stamping Manufacturer

### BENEFITS

- \* Automated supply chain processes
- \* +40% time-to-market
- \* +70% forecasting accuracy
- \* -40% in machine downtime
- \* -30% in cost of inventory holding
- \* +50% in productivity

