

# Vixtera Business Primer

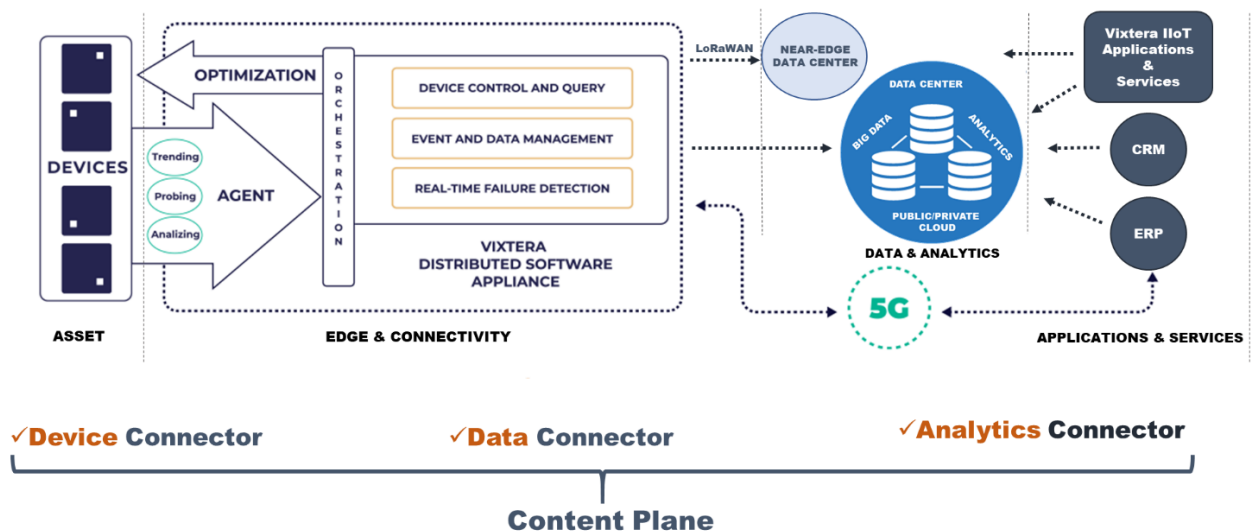
## Overview

Vixtera is developing the IIoT edge distributed software (vEDGE) and delivering integrated solutions for the mission-critical applications within asset-intensive industries.

The vEDGE offers a **ready-made solution for rapid IIoT deployment**. It provides broad and robust device, event and data management governed from unified dashboard, while harmonizing communications between devices, applications and data-driven services without needs for additional software and painful integration complexity.

The patent-pending algorithms and techniques accelerate asset management and decision making, expand operational visibility and reduce the cost to automate asset and infrastructure for Industrial Enterprises, Manufacturers and VARs.

## Vixtera Distributed IIoT Edge



## Unique Value Proposition & Patented Technologies

- **Acceleration of device onboarding and maintenance**  
Using patented declarative protocol, delivers high velocity of device onboarding and maintenance across ANY comm protocol or device brand/type. No drivers, SDK or DIY software is required.
- **Instant failure detection and prevention in plurality of connected ecosystem**  
Using patented algorithm, promptly identifies the root cause and a chain of events that's leading to a problem providing instant failure detection while guiding reliable predictive analysis.
- **Auto-generation of AI/ML labeling reducing cost and complexity of predictive services**  
A source of failure (root cause) and chain of events that's leading to a problem can be used as a reliable label (and patterns) for NN training and AI/DL modeling producing trustworthy predictive outcome.
- **Multifaceted data curation yielding meaningful information to the outcome-based applications**  
Collects, processes and analyzes event and data at the edge. Eliminates duplication of metadata whereas reducing frequency and size of transmitted data; contextualizes and aggregates relevant event data.
- **Declarative Analytics guiding data analytics and instant decision making**  
A descriptive mechanism for extraction, aggregation and classification of meaningful event. A "drag-n-drop" query builder for rapid delivery of custom analytics and applications. A configured and automated data pipeline.



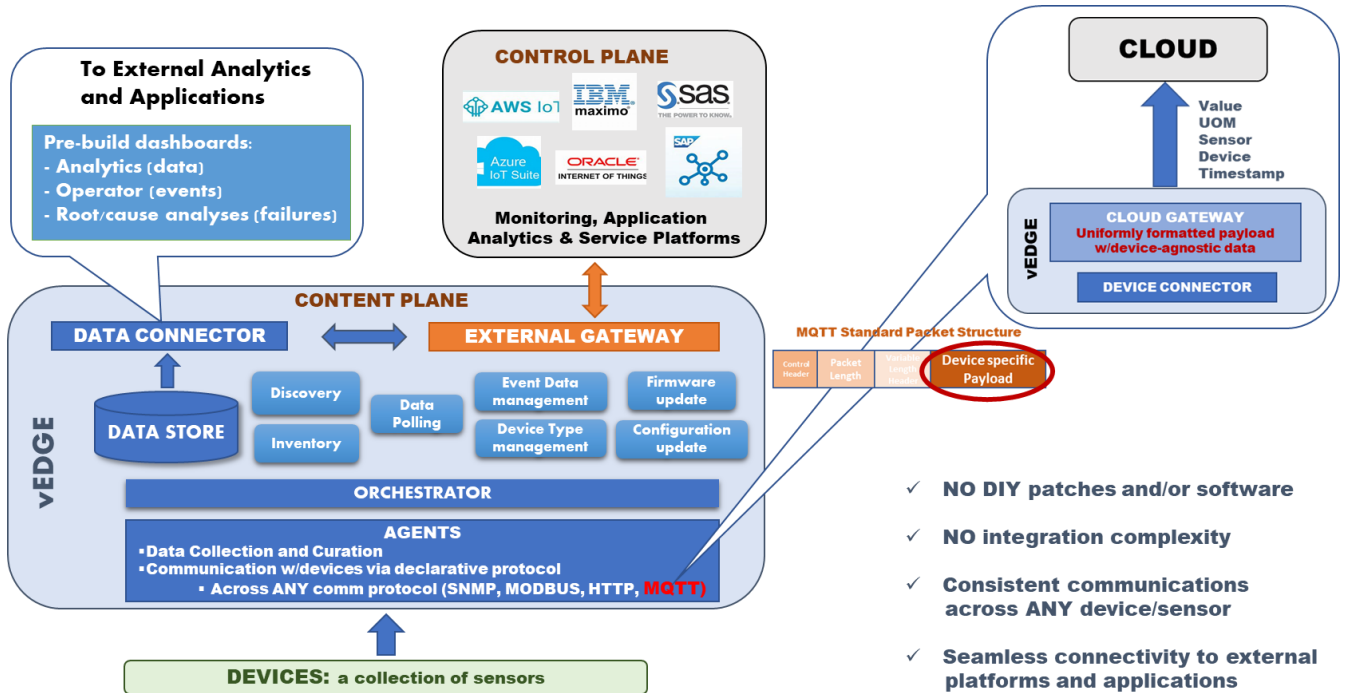
# Vixtera Business Primer

## Let's Get to the Point...

Vixtera IIoT distributed software (vEDGE) is architected as an “intelligent connector”, a gateway - a synergetic framework of content plane to ANY control plane-based solution like (e.g., AWS/Azure IoT) providing consistent and coherent physical to logical interconnection, including uniformly formatted MQTT payload messaging, overcoming burdens of connecting disparate devices, datasets and services, and supercharging the IIoT deployment.

The vEDGE workflow engine collects, processes and configures the data, and feeds it, in a snap, without needs for additional coding or software, to ANY monitoring, application or analytics platform (e.g., IBM/Oracle/SAP), enhancing the offering and benefits of its services.

## Connecting Disparate Devices, Applications & Services



- ✓ **NO DIY patches and/or software**
- ✓ **NO integration complexity**
- ✓ **Consistent communications across ANY device/sensor**
- ✓ **Seamless connectivity to external platforms and applications**

## Vixtera Value Offerings

- \* IIoT edge Software Framework (vEDGE) for rapid PoC & deployment
- \* E2E Architecture, Reference Design & Application development
- \* Customization & Productization to end-user’s spec and requirements
- \* Integration with external platforms and cloud services

## Targeted Verticals

- \* Industrial Automation
- \* Electrical/Electronic Manufacturers
- \* Mechanical & Industrial Engineering
- \* Mining & Oil/Gas Industries
- \* Power Utilities

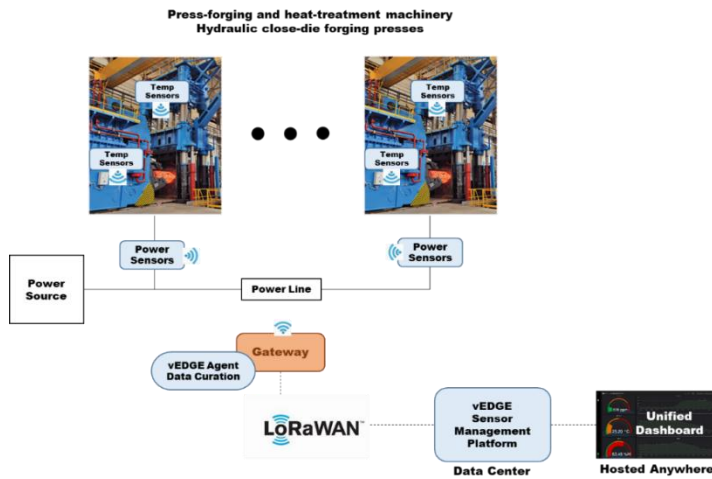
## Served Segments

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



# Vixtera Business Primer

## Use Case #1: Industrial Enterprise



### Problem-Challenge

- \* Low visibility & efficiency
- \* High operational cost

### Objectives

- \* Reduce Downtime & Time-to-Repair
- \* Improve productivity

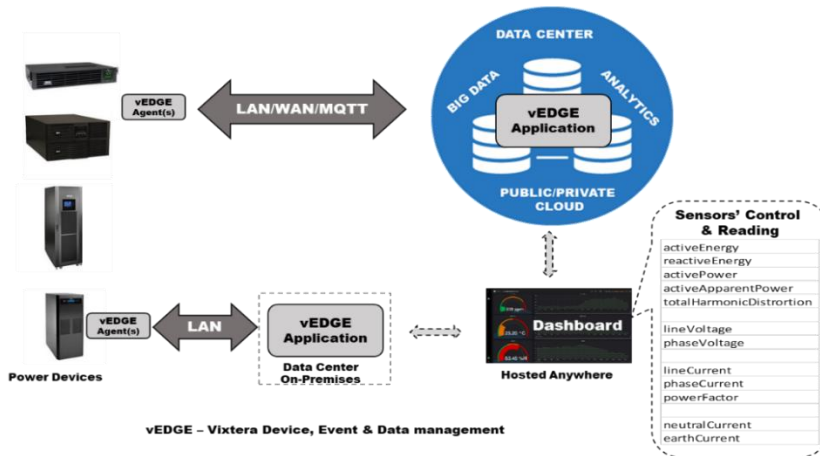
### Vixtera Offering

- \* E2E Architecture & Design
- \* Rapid PoC & Deployment
- \* Integration & Customization

### Benefits

- \* Significant performance improvement
- \* Minimized maintenance cost

## Use Case #2: Industrial Manufacturer



### Problem-Challenge

- \* Hardware commoditization
- \* Reduced revenue and profit
- \* Depressed market share

### Objectives

- \* Improve offering & profitability

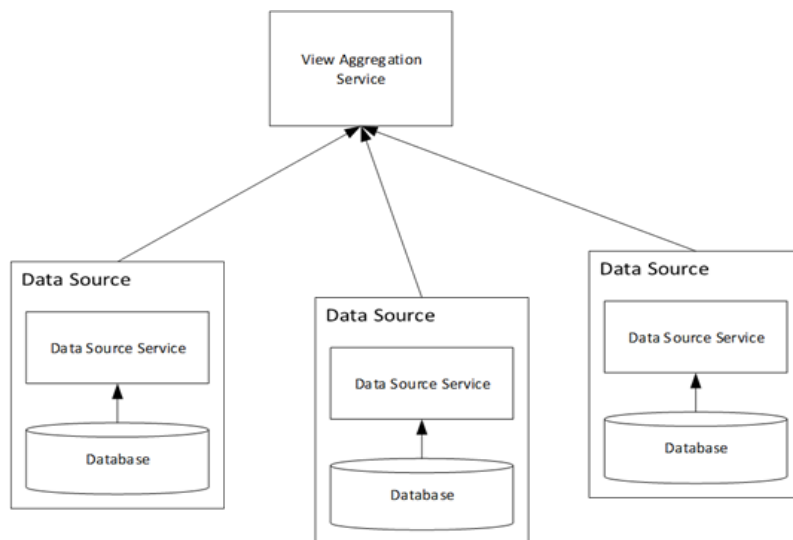
### Vixtera Offering

- \* Comprehensive management
- \* Cloud-based applications
- \* Phased deployment

### Benefits

- \* Improved serviceability of devices
- \* Subscription-based services
- \* Increased revenue and margin

## Use Case #3: Aggregation & Visualization of Distributed Data



### Problem-Challenges

- \* Multiple data bases & cloud platforms
- \* Multiple on-prem and cloud locations
- \* Variety of infra (virtual, physical, containers)
- \* Unpredictable Latencies
- \* Strict security requirements

### Objectives

- \* Consolidation across multiple sources
- \* Data source inventory
- \* Restricted data access

### Vixtera Offering

- \* Reference Architecture & Design

### Benefits

- \* Data aggregation across sources
- \* Maintaining data base sub-views
- \* Generate subsets of aggregated view data