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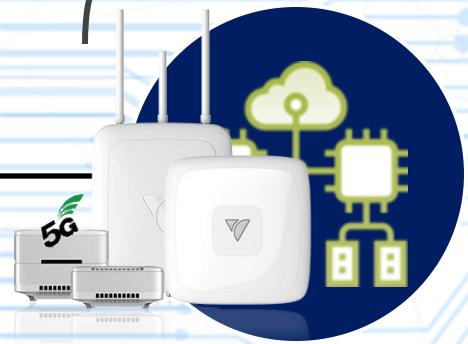
CONNECTING
THE WORLD

LoRaWAN® & niagara
framework®

A Perfect Pair for
Built Spaces

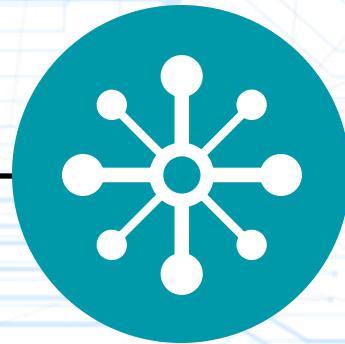
*Mark Tubinis / Veea Inc.
Chief Commercial Officer*

VeeaCloud-Managed Edge Platform Offers More Solutions for More Use Cases



Edge-Cloud Computing

Devices offer a multi-tenant Linux server function with storage



Wi-Fi & IoT

Connects more people, places, and things—everywhere



5G

Breaks the speed barrier and improves responsiveness



Agentic Edge AI

Powers smarter systems and automation



Cloud Mgt, Apps & Analytics

Drive insight and decisions

veeaHub™ All-in-One Models



STAX

STAX-NVMe

STAX-5G

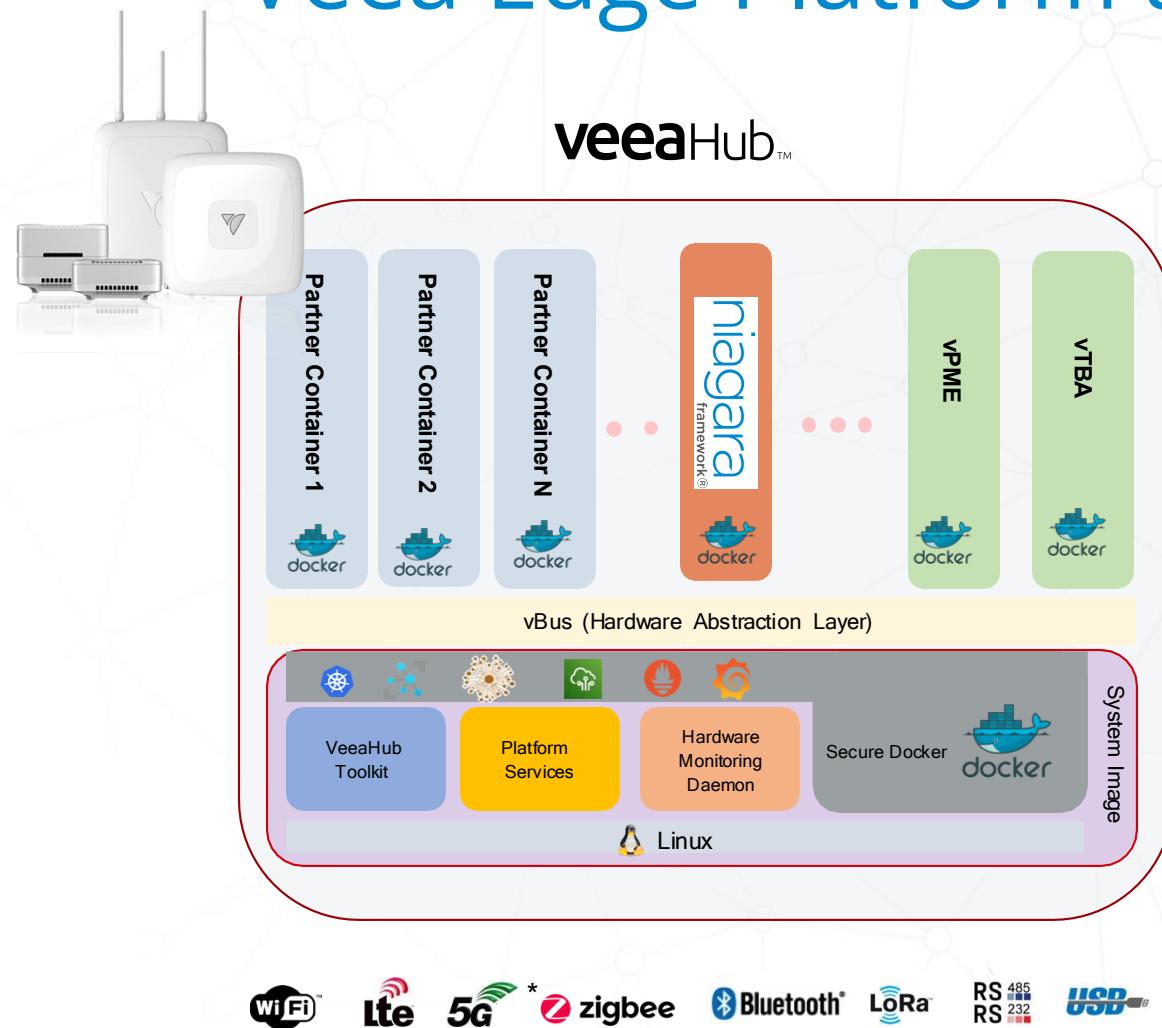
VeeaHub Pro indoor Model

VeeaHub Pro S Indoor Model
(4G & LoRaWAN Options)

VeeaHub Pro S Outdoor Models
(4G, 5G & LoRaWAN Options)

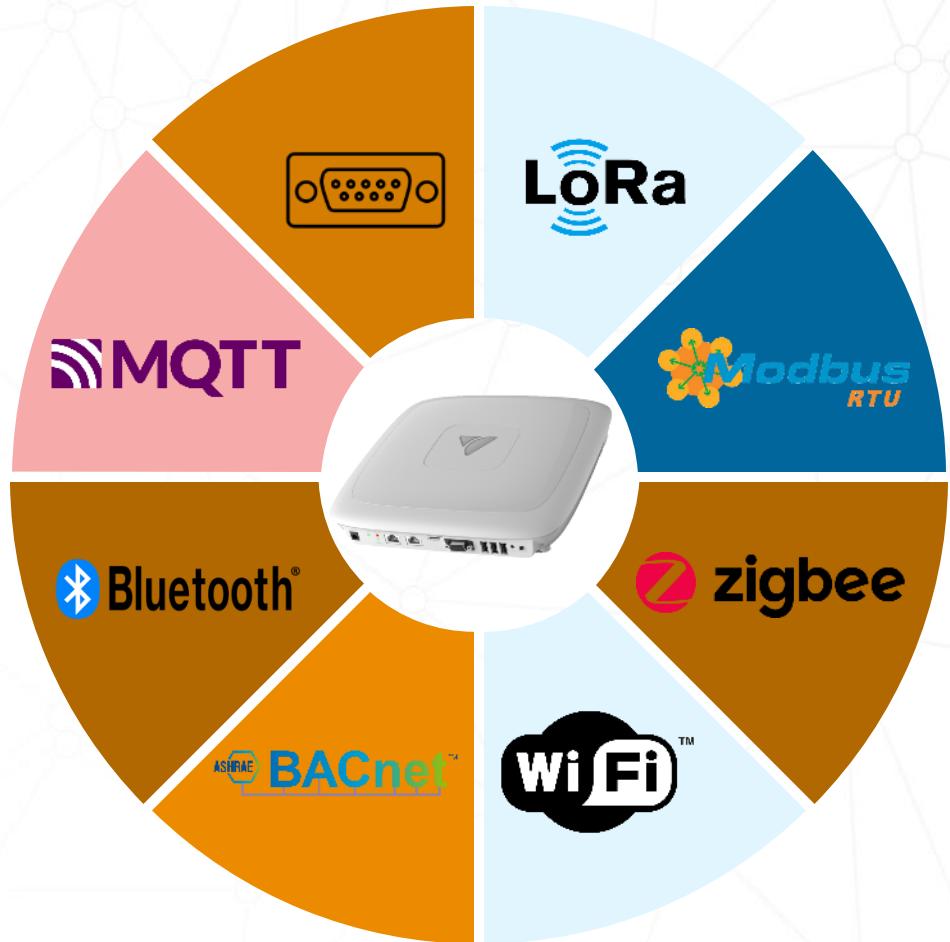
TRIDIUM

Veea Edge Platform and Containerized niagara framework®



- **Veea Control Center**
- **Patent Pending Secure Docker Container System**
- **vMesh** – Highly extensible device connectivity (wired and wireless) and application mesh
 - **vBus Hardware Abstraction Layer** – Enable devices (IP and non-IP) to securely connect to containers distributed across vMesh
- **veeaCloud** – Orchestration and Management

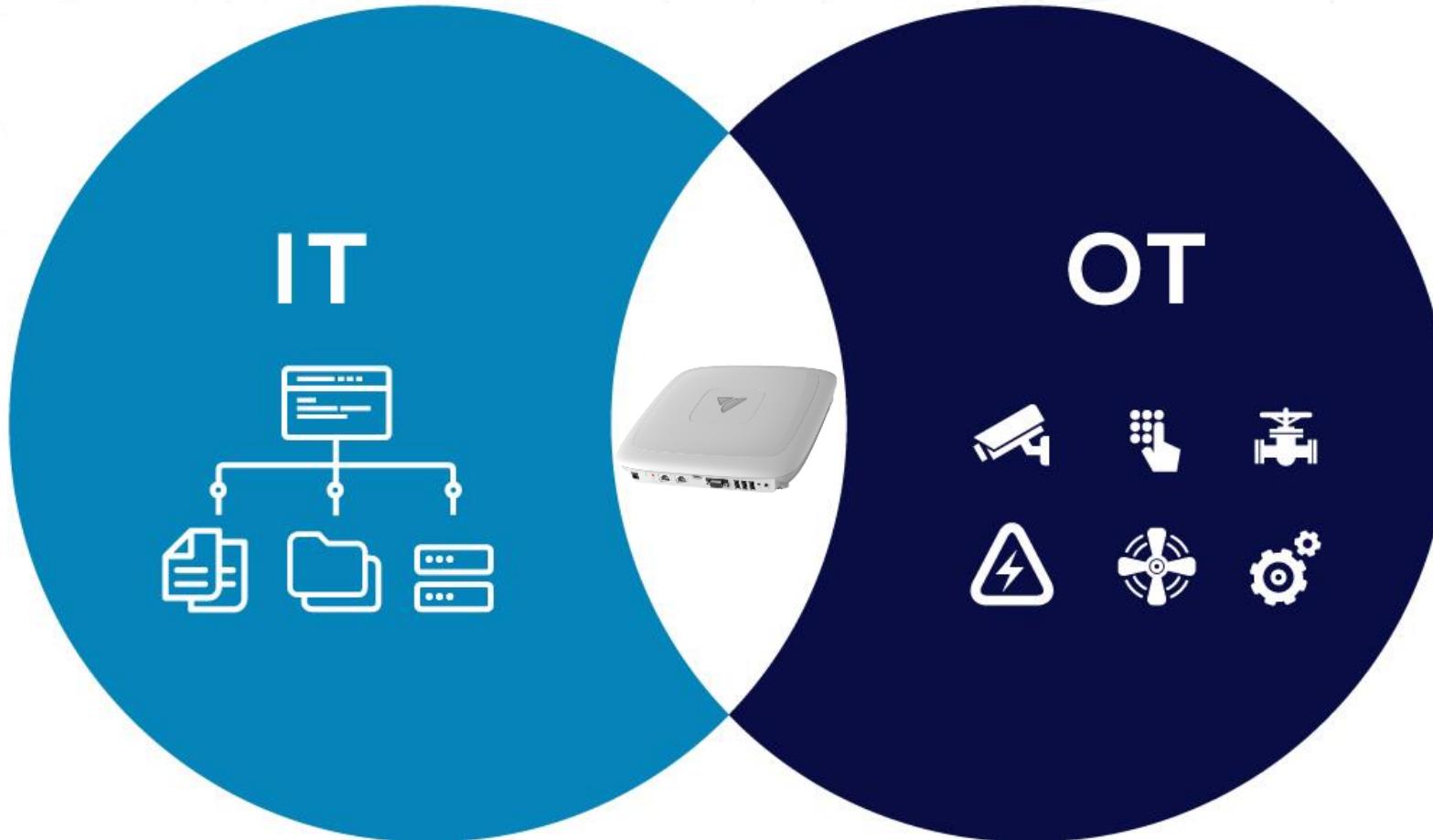
Veeahub Extends Niagara



By design, the Veeahub receives and sends data over a variety of built-in protocols, transposes, and ability to create virtualized devices:

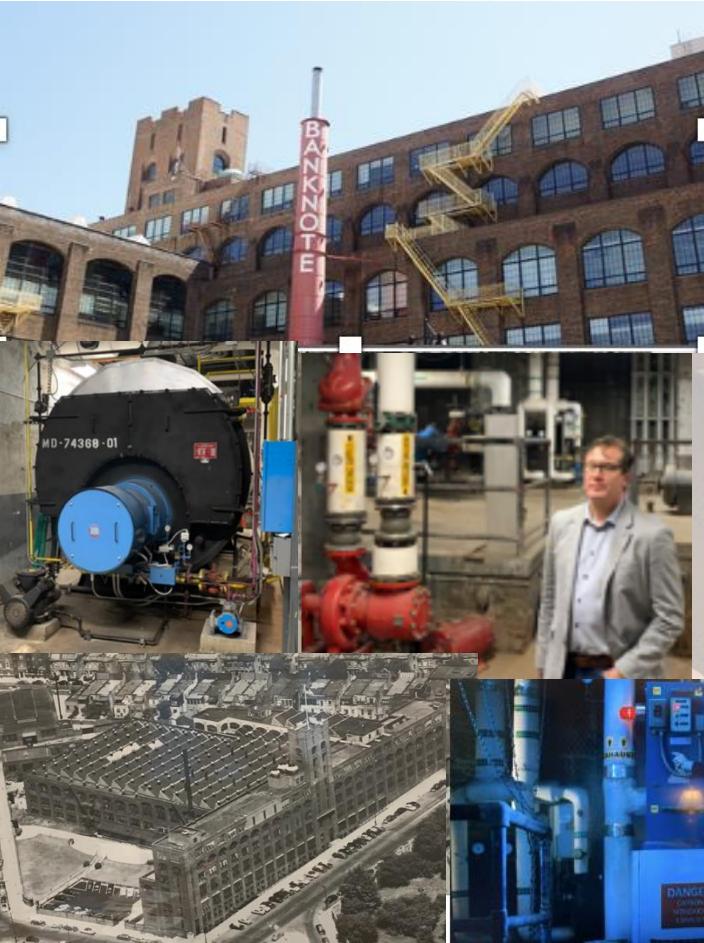
- Modbus RTU and BACNet MSTP Gateways
- Wi-Fi
- Bluetooth
- LoRa-WAN to MQTT Service
- Zigbee

Veea Bridges the Gap Between IT & OT



- Segregates complex, IT-managed environments from the collection and management of IoT data from the same location.
- Securely connects to a customer's existing LAN while simultaneously maintaining a WAN-based cloud connection.
- Flexibility for Multiple Network Scenarios and Corresponding Configurations.

Only niagara in the Building



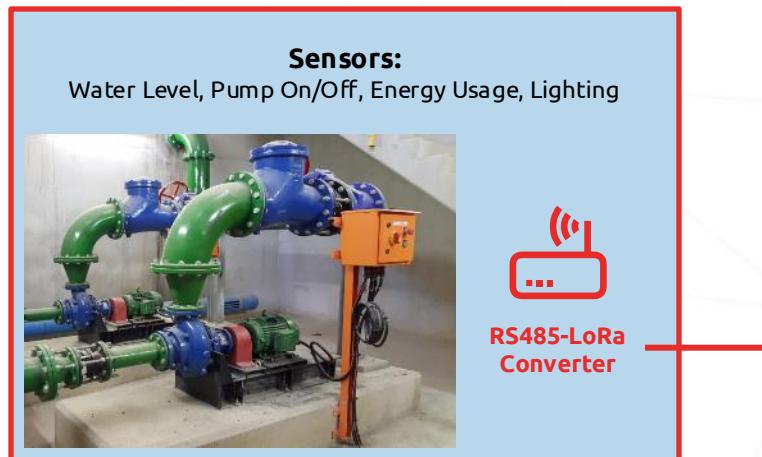
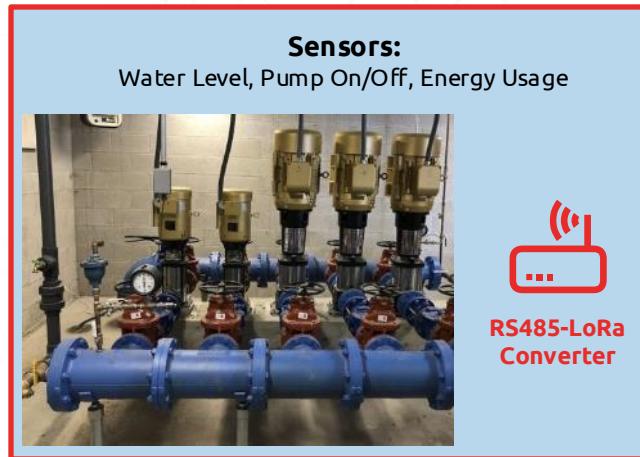
Only Murders in the Building
Season 1, Episode 10

- Banknote Building In the Bronx
 - 405,000 Sq ft + 178,000 Sq ft lot
 - Incubator Spaces, State Agencies, Not for Profit
 - Graded as a C- for Energy Management
- Two Independent Niagara Systems
 - One Unfortunate Building Manager
- LoRa the only way to solve Big Issues
 - MicroClimate Monitoring and Automated Reporting
 - Energy saving automations not possible without fine grained data and localized conditioning

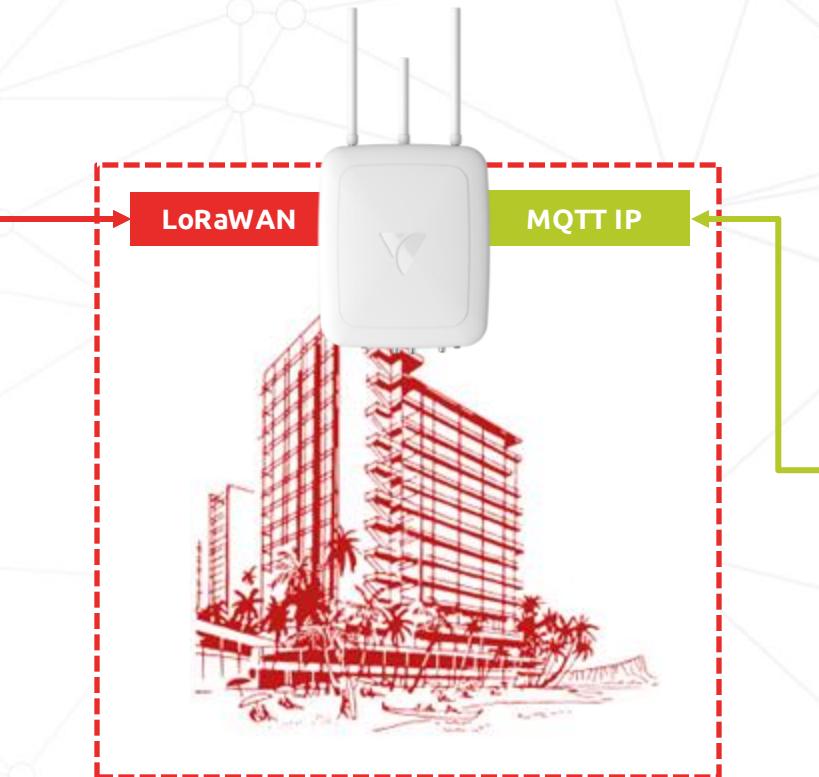


Vidanta Nuevo Vallarta Resort Niagara Solution

Individual Water Pump Locations



Single Rooftop-Mounted Outdoor VeeaHub



Niagara System IP Network Dashboarding Control at Separate Property Location



Veea provides remote connectivity to both Niagara and disparate endpoints across this sprawling, 2,500-acre property.

**Air Quality Monitoring
Vape Detection**

Condition Monitoring

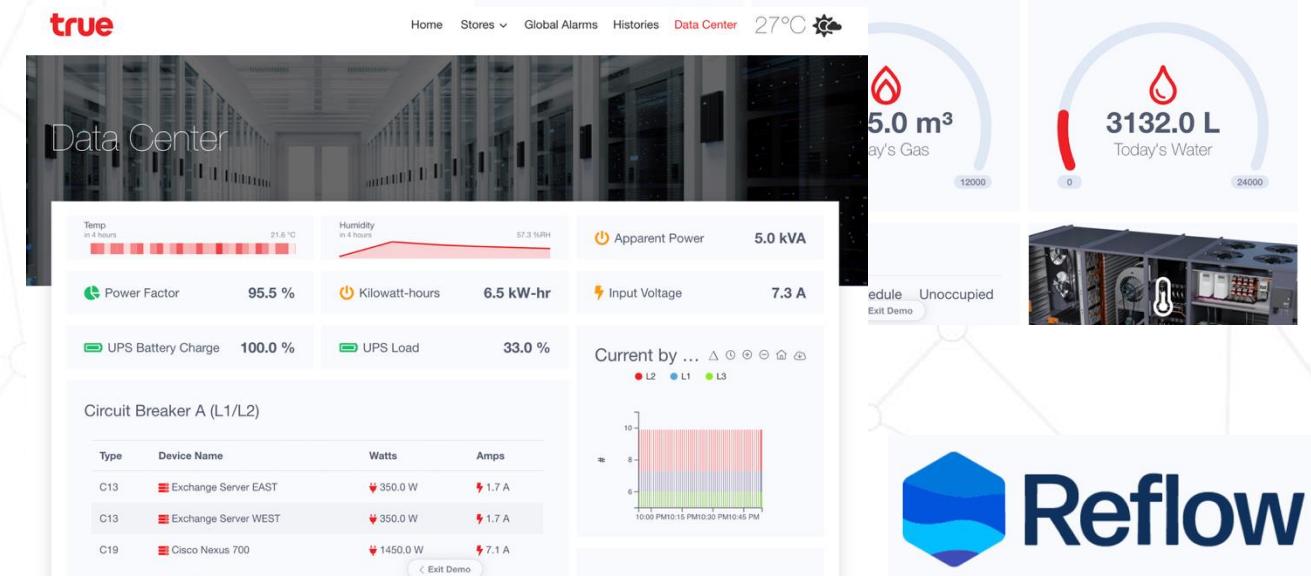
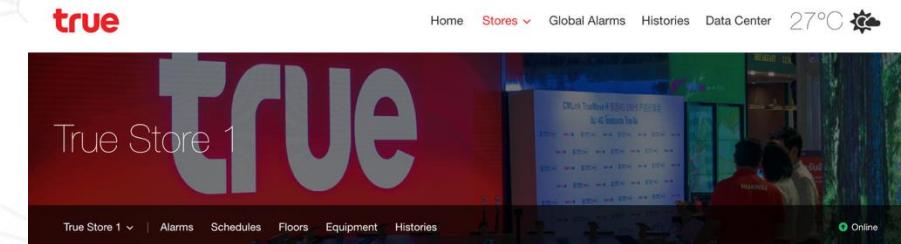
Water Quality & Leak Detection

Automated Controls



Unified Carrier Dashboards Across Assets

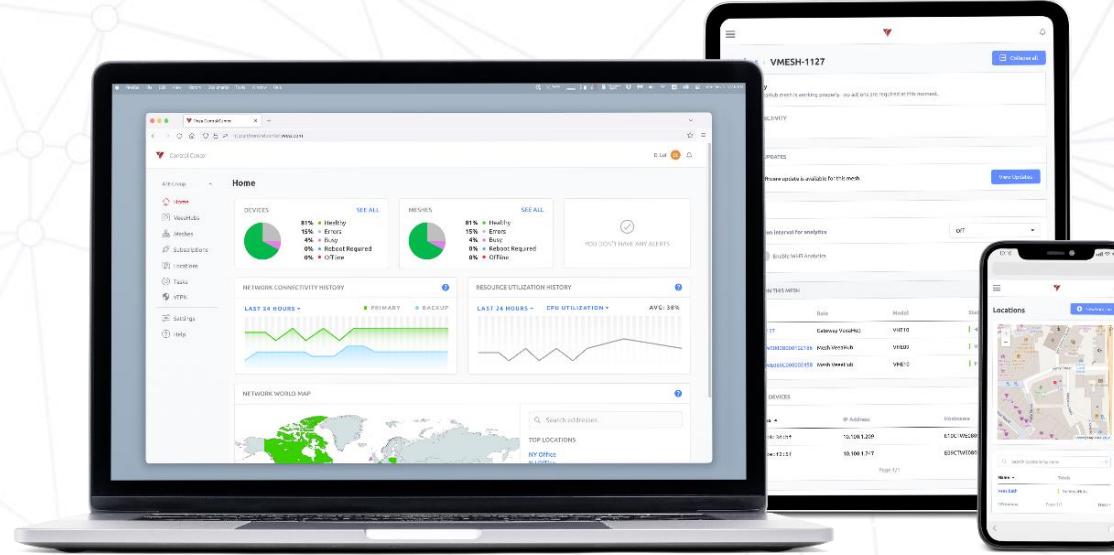
- Blending of Traditional Niagara & LoRa
 - Right sensor/actuator – Right Place
 - One view
- Single Pane of Glass Across Fleet
 - DataCenters
 - Distribution Centers
 - Cell Sites
 - Retail Stores



Critical Success Factors For Practical Deployments

Robust, Secure Remote Access

- Connect remotely to applications, services, and endpoints, all through a single pane of glass with Veea's cloud-based Control Center.
 - Remote device discovery.
 - Remotely configure network routing, firewall, and port forwarding.
- Configuration of secured dynamic routing to control access to container resources
- Full LoRa Config Access
- Integrated 4G / 5G easy access without IT



Training & Tools

- Get team comfortable with LoRa
 - Wireless IS reliable, secure for sensing and control
 - Choose reliable sensor/actuator Partners
- Tools to validate Coverage & Performance
- Advanced Training on Containerization

Easy Onboarding/Device Normalization

- Simplified Device Onboarding
 - Device Identity and GeoLocation
 - Robust Profile Library
- Data Normalization to Ease Integration of LoRa info
 - Standardized Device Schema
 - Work Across the Ecosystem from Edge to Cloud

THANKS TO OUR PARTNERS FOR HELPING THE EMBRACE OF LORA





CONNECTING
THE WORLD