



## Exact Asset Data Analytics Deliver Targeted & Focused Business Gains

### DeltaV™ SaaS SCADA available with Edge Connect

Effortlessly integrate data from any source to rapidly enable better business decisions while increasing safety, production, profits and sustainability.

**DELTA V**™



**EMERSON**™

## Too Much Data, Incorrect Data or Paying for Data that isn't Utilized Doesn't Help Anyone



DeltaV SaaS SCADA with Edge Connect simplifies data integration and seamlessly integrates with your remotely located assets without disrupting existing OT infrastructure, risking security or absorbing your skilled resources time to set up.

- **Manage bandwidth by publishing aggregate data when there's a change in value**
- **Easily configurable polling and reporting**
- **Automatically adjusting polling & reporting speed based on events detected at edge**
- **Edge Connect supports multiple devices simultaneously in their native protocols**
- **Set alarms and dead-bands for each tag, providing precise control over data reporting**
- **Stores data locally in case of communication outage & sent once connection is restored**
- **Reduce your bandwidth consumption by up to 90%**

Enable real-time monitoring and high-resolution data analysis, allowing operators to receive alarm notifications and take corrective actions promptly, ultimately enhancing operational efficiency, reducing costs, and improving the reliability and security of industrial data management and control systems. DeltaV SaaS SCADA offers you the security, scalability and service you require.



You don't have to check road conditions to get the data you need from remotely located assets. Gain easy to understand data analytics that are only what you and your people need at any given time.

### Your remotely located assets can quickly create tons of data, and much of it you may want someday, but not every day

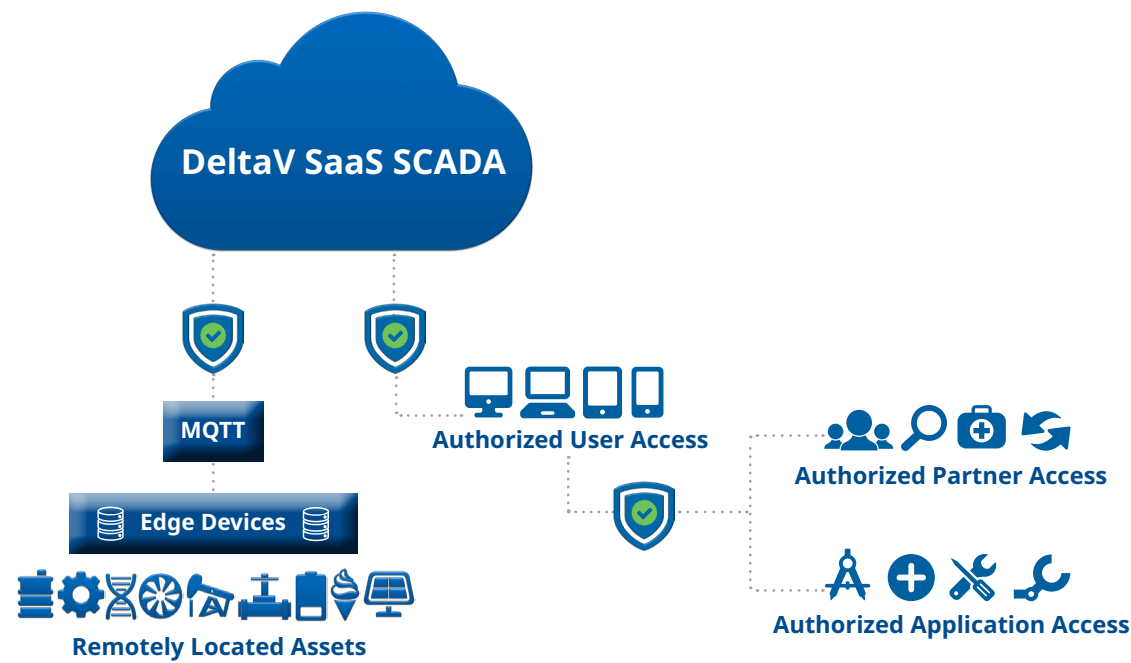
Advances in technology and devices have created the ability to collect far more data from your assets, which is generally a great problem to have to make better decisions. But, if that data isn't managed really well it can also quickly pose hurdles that can cause confusion, and distraction. It can also present you with higher than expected communication costs, and negativity impact bandwidth availability, all while complicating data integration from multiple sites.

### Find focus in your operations with a targeted data approach to stop distractions, but still have access to all your data later

DeltaV SaaS SCADA is now available with Edge Connect to help you better manage your data while delivering even more focus for you and your staff. We've done all the device and software engineering and design, pre-configured communications protocols and have everything ready for you to get your data at the speed and volume you want, securely to all the right people, at the right times. All while knowing your complete data is still securely stored for when you want to know more.

Emerson's cloud-native DeltaV SaaS SCADA delivers securely connected remotely located critical asset data for accurate alarming, analytics, and diagnostics to protect your product, customers, staff and outcomes.

# Ready to roll, Edge Connect delivers simplified integration from any edge device



Our cloud-native DeltaV SaaS SCADA enables operations around the world to compile data from any digital monitoring hardware via edge devices, or gateways that support a variety of protocols.

We provide end users with a web interface, as well as the ability to push data to third party platforms, allowing remote control and optimization via authorized, cloud-based data access.

## Report-by-Exception Drives the Data that Matters

DeltaV SaaS SCADA with Edge Connect with Intelligent Edge Data Management solves the challenge of engineering how to utilize edge solutions, removes the complexity of understanding which communication protocols to use, and is designed to optimize data polling and reporting to reduce bandwidth and minimize costs, all while preserving data integrity and security.

Defeat technical challenges and gain highly flexible and scalable cloud-native advantages with edge device-agnostic access to your data you need quickly and efficiently, without technical hurdles that seamlessly integrates with your existing operating systems and OT infrastructure.



Great focus, provides even greater outcomes. Simplify remotely located asset data from various devices into a centralized system.

## Zero interruption to your current OT infrastructure, or security with reliable, real-time monitoring, and high-res data analysis

DeltaV SaaS SCADA with Edge Connect delivers all the technology gains, without the pains, right from day one. Our purpose built IIoT cloud-native platform was developed from the ground up based on enhancing your OT infrastructure, complimenting everything your current OT does well, and provides several layers of additional benefits to increase your production, profits and sustainability.

## Avoid communication protocol compatability problems with Edge Connect that supports multiple industrial protocols on various devices

DeltaV SaaS SCADA has been intentionally developed through the years to be hardware agnostic, but we're also Edge Device agnostic and serve our customers with the type of communication service they prefer, need and trust, while still reducing bandwidth usage by up to 90% when utilizing DeltaV SaaS SCADA with Edge Connect.

**Components of Edge Connect:**  
Industrial Edge Computer (IPC2010) - Intelligent Data Management Enabled  
Subscription to the Intelligent Edge Data Management Software  
Global / NA Modem  
**Offered as a comprehensive, all-in-one solution for seamless edge-to-cloud connectivity**

## Improve Efficiencies with High-Resolution Data Analytics while Increasing Productivity

Anywhere, anytime access to your operational data to increase safety, uptime and profitability. Clear and easy to understand real-time data provides visibility and minimizes manual operational tasks while driving robust safety processes.

User-friendly, accurate cloud-native data is available only to authorized users to better communicate across your organization; from remote locations to the main office, and everywhere in-between.



### Flexible & proven IIoT platform engineered & developed in the cloud for secure operations

From one location to multiple sites across the globe, our agile solution provides the flexibility to quickly and easily add newly acquired locations at any time. We provide end users with a web interface, as well as the ability to push data to third party platforms, allowing authorized, secure remote control and optimization via cloud-based data access.

### Unlock the most value from your data with our SaaS cloud-based solutions

Our software applications are built for operations and are delivered as a service to ensure you always have the latest enhancements, security, full 24/7 support and user training. Alarming at designated set-points notifies you, and authorized people when thresholds are met to increase safety and return.

### Mobile app built for your industrial operational data for anytime, anywhere access

Enter, monitor & manage your operational data with vivid reporting and trending that enable your operation to increase efficiencies and eliminate costly, and time consuming trips to remote sites. Create custom mobile forms to eliminate manual paperwork, automatically push data to other systems, and prioritize work based on alarms.

### Security is everything - We offer a variety of secure communication options

Your DeltaV SaaS SCADA data is stored within a Relational Database Management System (RDBMS) without an internet facing surface. Full data backups occur nightly, and storage amounts are not limited, nor quota driven with zero limitations on content or data with 'always-on' continuous security monitoring.

## Software developed to triumph over your challenges



#### DeltaV SaaS SCADA

Up-to-the-minute accurate data from your site all in a single source to actively see the information you decide is relevant to each person or role within your organization.

- Data trending, default & reporting
- 3rd party access & data exchange
- Continuous polling & optimization
- Alarm Management with call-outs
- Manage permissions & work-flows



#### DeltaV SaaS SCADA Mobile

Enter, monitor and manage operational data anytime, anywhere with our mobile app. Available in Google Play as well as the App Store for all your mobile device needs.

- Input data & issue commands
- Prioritize work while in the field
- Eliminate field paperwork
- Push data to other systems or reports
- Immediately update systems



#### DeltaV SaaS SCADA Field Capture

Capture daily production data in one, user-friendly platform. Gather and analyze manually entered, imported or updated data from various locations based on role.

- Easily view, edit & share data
- Analyze & export based on role
- Custom report engine
- Custom sort & display
- Advanced reporting



#### DeltaV SaaS SCADA available with Composition Management

Cloud based sampling with a secure, single vault for all of your lab analyses results to streamline scheduling, approvals and notifications with end devices updated with lab results.

- Coordinate & monitor sampling
- Export lab sampling schedule
- Consolidate fluid analyses
- Automated approval thresholds
- Auto-update devices with approval



#### DeltaV SaaS SCADA available with Measurement Schematics

Create measurement schematics for all facilities, manage all changes, track all revision history, and document reviews and approvals.

- Stay current on regulations
- Easy-to-use drag & drop drawing
- Link multiple schematics
- Always-on access to updated version
- Custom permission authorized users

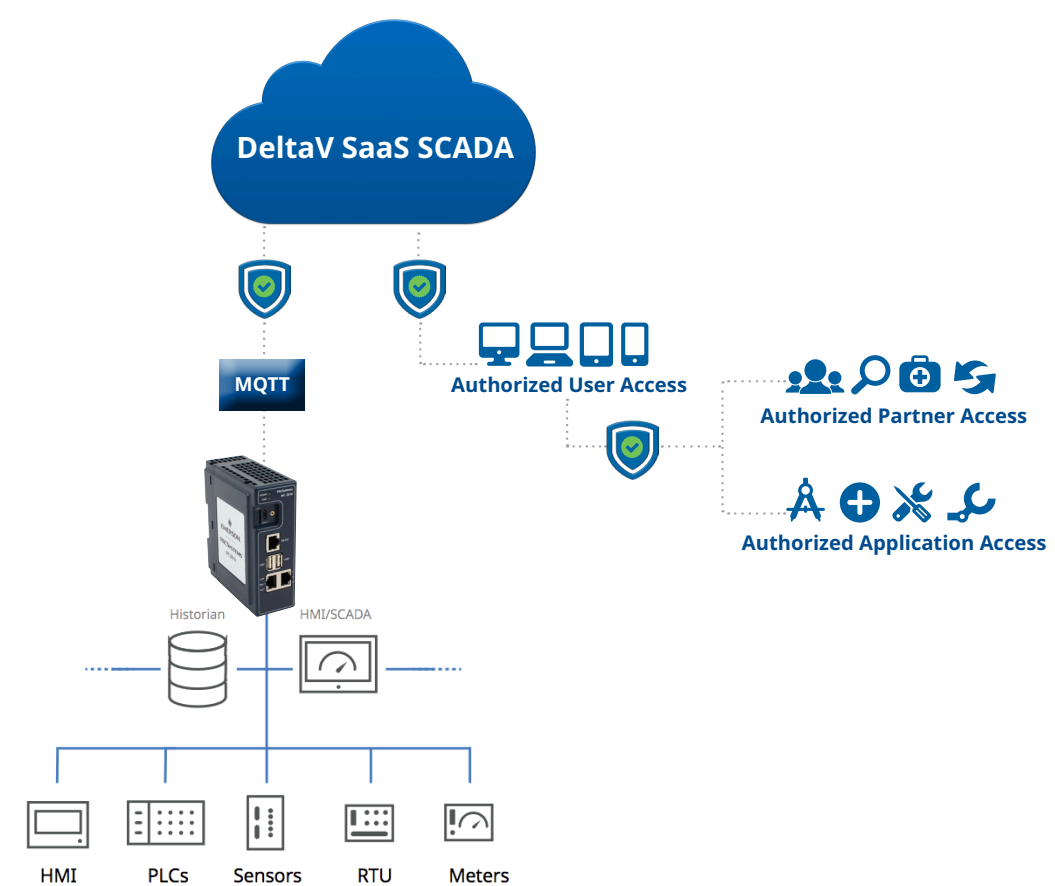


#### DeltaV SaaS SCADA Asset Protect

Streamline work for fixed assets, preventative maintenance & HSE. Control of equipment deployed, with documentation and records for compliance audits. Easy cloud-based fixed asset management.

- Track moves & location
- Pro-actively schedule work orders
- Set reminder & escalations
- Manage inventory & licenses
- Track incidents, specs & manuals

# Master Big Data with a Complete Emerson Technology Stack



Big data gathered from all the sensors in an enterprise lets you solve problems before they start, make accurate predictions, and reduce maintenance and downtime.

Big data can be a big problem – until you move to the edge.

## Reliable Emerson Edge Devices You Can Trust

Emerson Edge Devices provide integration between OT and IT domains without disrupting OT assets, architectures or systems while satisfying IT cybersecurity, communications and application requirements. They are designed specifically to be user-friendly to both IT and OT experts, and are capable of supporting integrations and architectures ranging from IIoT gateways and remote monitoring to edge AI/ML analytics and data visualization.



## Emerson’s PACSystems™ IPC 2010 Industrial PC

High-efficiency computing performance and graphics capabilities in our most compact, rugged package making it a perfect edge gateway device. It also features an industrial-grade microprocessor, soldered memory, and a secure operating system.

- Drag & drop programming for intuitive development
- Root of trust and secure boot ensure security of operational data
- TLS communications with reverse proxy secure interaction with IT & cloud applications
- Powerful visualization and analysis tool-set
- Emerson custom nodes and curated standard node sets in Node-RED

Perfect for processing time-series data from various sources like PLC’s, cameras, sensors, flow meters or valve manifolds, powering analytical solutions for remote monitoring, leak detection, and preventative maintenance applications.

### IPC 2010 minimum specs, other models available:

PROCESSOR:	ARM Cortex-A53 CPU (2 or 4 Cores at 1.2 GHz)	
MEMORY:	Up to 4 GB DDR4-1600	
ETHERNET:	Two 10/100/1000BASE-T Ethernet ports	
GRAPHICS:	One Display Port via USB-C connector	
USB INTERFACE:	Two USB 2.0	
INTERNAL STORAGE:	eMMC 64 GB	
REMOVABLE STORAGE:	One Micro SD Card Slot (SDXC type supported)	
DIMENSIONS:	120 x 45 x 101 mm	
WEIGHT:	340 g	
POWER:	10 V – 30 V DC	
RANGE:	Standard	OPERATING: -20 °C up to +70 °C
	Humidity	5-95% @ +40 °C
	Altitude	6,600 ft. (2.0 km)
		STORAGE: -40°C up to +85 °C
		5-95% @ +40 °C
		40000 ft. (12 km)

PRODUCT SAFETY: UL 62368-1 -1, UL 24 ATEX 3263X  
LVD Directive 2014/35/EU: EN/IEC 62368-1



## Emerson Offers a Wide Portfolio of Edge Devices

# Digitally transform your operations with increased visibility with a secure, scalable cloud-native IIoT platform.

 <b>SECURITY</b>	 <b>SCALABILITY</b>	 <b>SERVICE</b>
<ul style="list-style-type: none"><li>✓ Monthly automatic security updates</li><li>✓ Secure web access anywhere, anytime</li><li>✓ Two-factor authentication</li><li>✓ Backups &amp; disaster recovery</li><li>✓ ~3500 Microsoft™ security experts</li></ul>	<ul style="list-style-type: none"><li>✓ Mobile app anywhere, anytime access</li><li>✓ Customer roadmap involvement</li><li>✓ Customize your user groups</li><li>✓ Budget friendly &amp; low CapEx</li><li>✓ 26 effortless software updates in 2023</li></ul>	<ul style="list-style-type: none"><li>✓ Live 24/7/365 support included</li><li>✓ eLearning courses &amp; workshops</li><li>✓ Project Management available</li><li>✓ Data Exchange service available</li><li>✓ Alarm Management available</li></ul>

**DeltaV™ SaaS SCADA is an IIoT cloud-native platform designed to enable asset-intensive industries to quickly and securely connect, acquire analytics and provide control of remotely located devices anywhere, anytime by anyone of your authorized users. We help our customers become more productive, profitable and sustainable to improve life around the globe.**

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**DELTA V™**

  
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