



Increase Pipeline safety and Integrity at Your Site

DeltaV™ SaaS SCADA available with Pipeline Protect

Protect your profits and sustainability with the ability to detect liquid pipeline anomalies from anywhere, anytime.

DELTA V™



EMERSON™

Increase Advantages with Statistical Awareness

Pipelines can easily present your operations with large, expensive challenges that have high impact on return and several levels of safety. Now, with stronger data analytics you can quickly and easily make giant gains to reduce your risk through actions.

- **Awareness = Opportunity**
- **Fast set up and path to accuracy**
- **Customize to your operation**
- **Compliments any SCADA system**



200

Since 1986 hazardous liquid pipeline accidents have spilled an average of 76,000 barrels per year, which is equivalent to 200 barrels every day.*



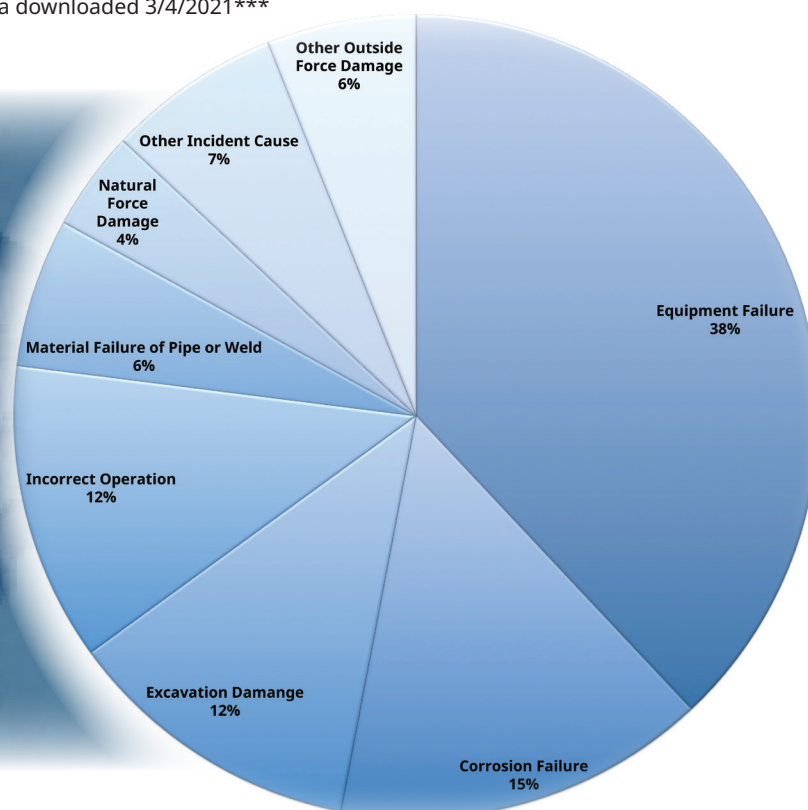
\$1.2

Billion dollars to cleanup Michigan crude pipeline spill and took a whopping four years to complete



Cause of Pipeline Incidents

Source: PHMSA, analyzed by FracTracker Alliance. 2020 Data downloaded 3/4/2021***



* <https://www.sciencedirect.com/science/article/abs/pii/S0951832020308772>

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***<https://www.fracktracker.org/2021/04/2021-pipeline-incidents-update-safety-record-not-improving/>

Rapidly Detect Pipeline Anomalies

Emerson's DeltaV SaaS SCADA is available with Pipeline Protect that quickly detects anomalies for pipeline with non-compressible liquids like water or oil. Complete with an easy to understand mass balancing dashboard that presents your authorized end users with accurate volume data from inlet and outlet pressures.

Avoid delays and risks while increasing profits by keeping your budget and safety in check.

- Easily identify and manage risk areas
- Reduce costly cleanups
- Increase response time
- Establish regulatory compliance



Your data from existing sensors to used by the system to learn the normal operating parameters and diagnose when a potential incident is occurring, including anomalies and other challenges.

DeltaV SaaS SCADA with Pipeline Protect tracks pump outages, flow balance, mass balance, and pressure over time. It empowers authorized users with valuable insights to enhance safety, reliability, and profitability.

With a proven track record, Pipeline Protect has successfully detected and alarmed anomalies associated with various issues such as flowmeter build-up, meter drifting, inlet separator problems, meter malfunctions, and unscheduled shutdowns. By leveraging the capabilities of the Pipeline Protect, users can promptly address these and other issues and optimize their pipeline operations for improved performance and efficiency.

Unlock the most value from your operational data



Effortless, always up to date software enables you and your people to better focus on more impactful business decisions

Our platform is built for anything under the industrial sun. You may even decide to layer DeltaV™ SaaS SCADA onto your own current system to help make your team more mobile, as a secondary system for a transitional time-frame until your people are comfortable using a new system, or even as a secondary back-up to add another layer of security in the event your in-house system fails.

Our SaaS is hardware agnostic, which means you can utilize hardware you may already own, and still get decision making data

You decide on what sensors and hardware equipment are best suited for your situation. All you do is tell us what you want for data and analytics to be reported and we'll do the rest—in just a few days. This delivers your people with the actionable insights they need to make better operating decisions quickly and efficiently.

Software as a Service



Unlock the most value from your data

Easily and seamlessly access current, user-friendly data for real-time, accurate decision-making gains. Our software applications are delivered as a service to ensure you always have the most up to date security and enhancements, secure storage and full support. Increase profitability and operational excellence with our software solutions for better performing assets, streamlined compliance, and optimized resources.

Acquire, manage, and analyze your data while ensuring compliance

- Unlimited users, no seat or licenses required
- 24/7/365 customer support
- Application upgrades
- User training
- Access anytime, anywhere
- Data center
- Business continuity
- Infrastructure management



Learn more online at: www.Emerson.com/DeltaVSaaS

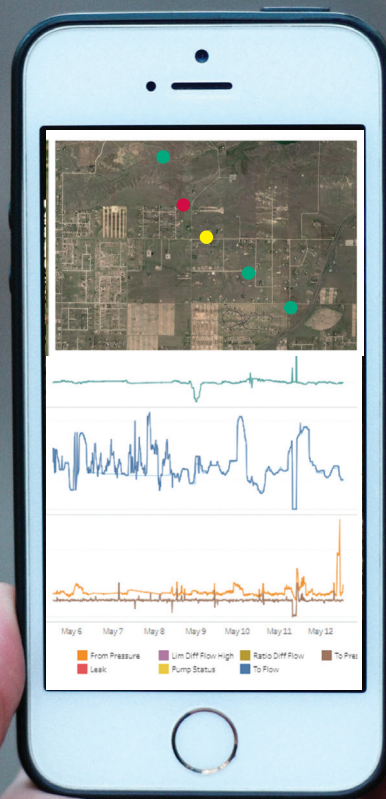
Flexible and Cost Effective

Easily scales and integrates with any existing system for as much (or as little) pipeline as you desire to monitor in any location, no matter how remote. Developed for any size pipeline and material type, all serviced by the same communications assembly. Easily flexible to increase pipe length and locations to gain the actionable data you need to make better business decision.



Available for several applications, including:

- **Critical feeder mains**
- **Pipes at remotely located sites**
- **Saltwater disposal**
- **Mains without redundancy**
- **Mains with a history of rupture or leaks**
- **Some industry supply lines**

- **Detect liquid pipeline anomalies**
- **Complete with mass balancing dashboard**



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

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

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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