pixelvelocity®
Insight Accelerated

eventvelocity®

Manage remote and hazardous assets through Continuous Intelligent Monitoring

Event Velocity is a digital operations software platform that integrates and displays data from video, infrared, audio, industrial controls, and other IIoT sensors to automate the monitoring and management of remote and hazardous assets. Event Velocity is optimized to operate in edge computing environments where bandwidth is scarce, yet provides real-time 24/7 monitoring - even in the dark.

A drop in pressure activates a camera pointing at the asset

Immediate Operational Benefits

Cover more sites with the same number of operators

Event Velocity software enables operators to view, monitor and manage remote and hazardous operating assets from a central location or mobile device.

- Replace routine site visits with event-driven visits or scheduled virtual tours
- Visualize and respond to alerts in real-time
- Record responses to events with automated workflows that cycle operators through predetermined questions
- Example use cases:
  - Remotely monitor personnel and vendors on site
  - Identify perimeter breaches or unauthorized access of prohibited areas in real-time
  - View equipment that is generating SCADA alarms in real-time
  - Detect malfunctioning equipment by sound
  - Measure tank levels remotely before and after loading
  - Identify hazardous hydrocarbon leaks remotely in real-time
  - Dispatch prepared, targeted teams in response to alerts

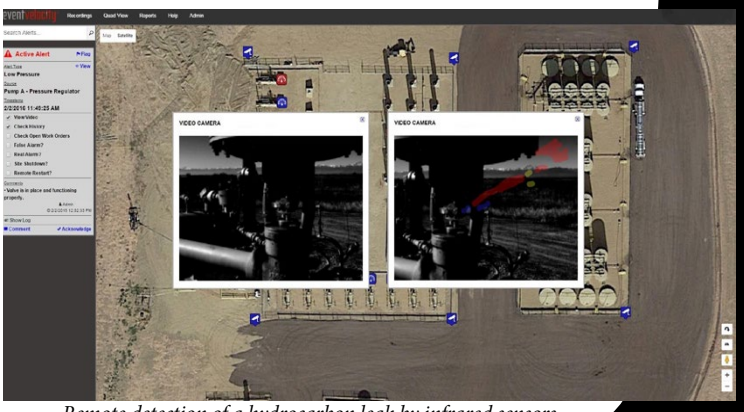
With unemployment at record lows, a generation of field workers retiring, and production at record highs, it's hard to find enough people to cover existing sites, much less plan for growth. Event Velocity can help.

Operation Optimization

Sensor data can be analyzed by data scientists to pinpoint operational insights that improve performance, safety, and profitability.

- Correlate alerts from multiple systems to reduce false alerts and alarm fatigue
- Uncover ways to improve production

Automating field operations helps increase production without increasing costs at the same rate - uncoupling cost inflation from increased production.



Remote detection of a hydrocarbon leak by infrared sensors

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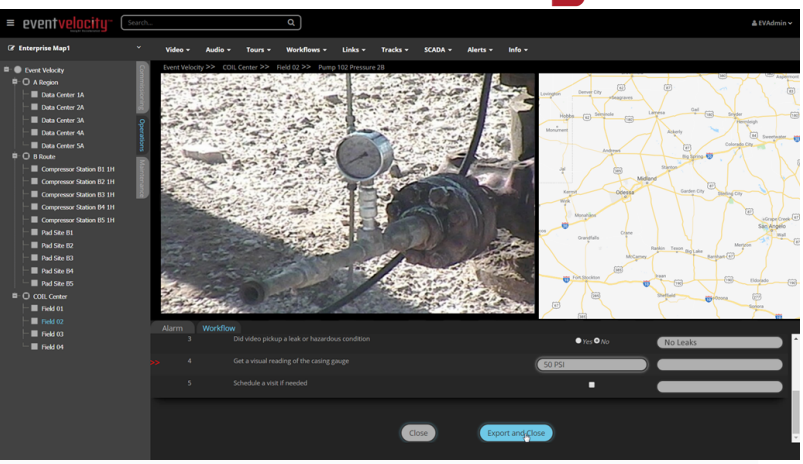


IIOT Edge Architecture

Event Velocity integrates any IIoT sensor into one platform to enable industrial companies to monitor and manage remote and hazardous assets without sending someone on site.

The platform is optimized to operate in edge computing environments where bandwidth is scarce; yet provides real-time 24/7 monitoring. It is hardware agnostic, highly-scalable, and can be integrated with any camera, sensor or SCADA system.

Designed to Fit Many Operational Environments

The integrated environment supports many use cases, including production monitoring, vehicle and personnel tracking, intrusion detection, hydrocarbon leak detection and more.

Sensors

- Compatible with any IIoT sensor (e.g. video cameras, infrared sensors, and microphones)
- Integrates with SCADA systems

Bandwidth

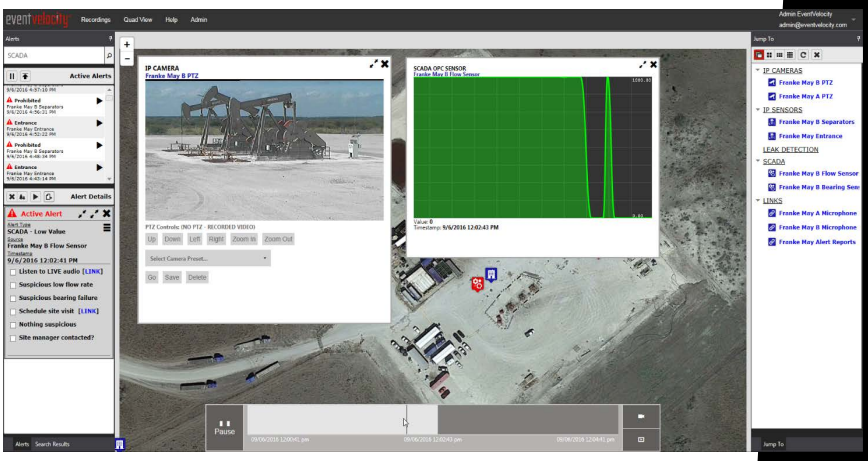
- Compatible with any bandwidth solution
- Engineered for low-bandwidth environments
- Cellular
- Fiber
- DSL
- Satellite
- Wi-Fi

Display Devices (HTML-5)

- Desktop
- Large-scale monitors
- Tablets
- Smartphones

Interfaces and APIs

- Open standards platform
- OPC UA interface
- Import data from historians
- Import and store field data
- Exporting - alerts, video/audio, tours
- Store and retrieve saved workflows
- GIS location services



A drop in production flow activates a camera to visualize the pump

Supporting Improved Safety

Feature

- Monitor and manage remote assets virtually
- Monitor personnel and vendors on-site
- Identify perimeter breaches in real time
- Visualize gaseous leaks

Benefit

- Reduce windshield time, the most hazardous aspect of site monitoring
- Limit exposure to hazardous environments
- Evacuate prohibited areas remotely
- Ensure personnel are prepared when sent on site

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