Protecting Energy Assets
through Continuous Intelligent Monitoring

pixelvelocity™
Insight Accelerated

Pixel Velocity: Intelligent Asset Monitoring in the Energy Sector

At Pixel Velocity®, we understand that even the shortest interruption of operations of an energy asset is a critical loss, so we deliver versatile software solutions and intelligent edge sensors that continuously monitor and alert our clients to potential issues before they become costly events.

Our signature product, **Event Velocity™ Pro**, is the most comprehensive solution for enhanced multi-site monitoring and real-time analytics management in the energy industry. It delivers a unique suite of disruption risk mitigation tools, including **24/7 continuous leak detection, asset performance monitoring, and threat/ activity detection** so you can optimize your operations across large scale environments. Asset performance data is analyzed in real time and presented in an actionable and sharable format.

Sophisticated, Continuous Monitoring Ensures Reliability

Pixel Velocity's real-time, multi-site intelligent sensor monitoring system helps manage and safeguard against operational, environmental, safety and security incidents.

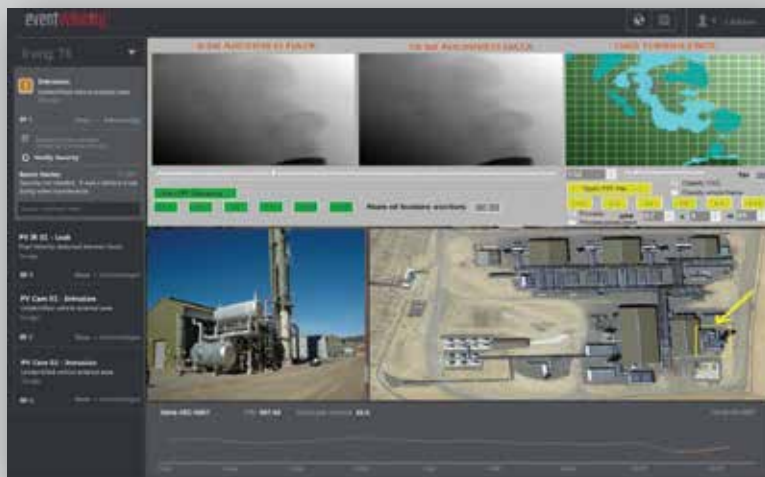### Maximize Operational Performance by Minimizing Disruptions

To deliver operational continuity, the hydrocarbon leak detection platform of **Event Velocity Pro** pinpoints small gas leaks and emissions remotely, alerting automatically and immediately. The speed of detection supports proactive leak repair that can avoid disruption and costly shutdowns by:

➤ **Capturing real-time site activity and asset performance** through integrated, intelligent sensor platforms and industrial control systems such as SCADA.

➤ **Helping energy operators ensure higher levels of reliability and continuity** across asset fleets and the value chain without increasing staff requirements or responsibilities.

➤ **Integrating real-time imagery and data analytics** into advanced event management and response protocols that shorten response cycles and provide enterprise-wide intelligence.

➤ **Offering high-value data stream**s that scale to support asset integrity and enhanced revenue continuity.

OUR SOLUTION:
Event Velocity Pro

Event Velocity Pro is Pixel Velocity's most comprehensive solution for enhanced multi-site event and analytics management in the energy industry, with continuous multi-sensor and industrial control system inputs integrating asset performance, site activity and hydrocarbon leak detection. Pixel Velocity's intelligent sensors bring you an unprecedented ability to visualize operations, safety and security performance in real time across entire asset fleets from a single customized, intelligent and intuitive platform..

Improve Response Times through Coordinated Communication

Each **Event Velocity Pro** enterprise management platform facilitates real-time communication and response in critical situations through:

➤ **Immediate leak detection** with precision clarity on disruption prevention, helping operators ensure continuity.

➤ **24/7 platforms** that exceed industry standards by adding prevention and mitigation options.

➤ **Multi-site and multi-sensor detection**—including hydrocarbon leak, anomalous activity, operational malfunctions and SCADA events—in an integrated dashboard.

➤ **Operations, Safety, Environmental, and Security Departments can all coordinate in real time** to dramatically reduce incident response cycles.

Reduce Costly Damage by Decreasing Security Vulnerabilities

Continuous, real-time monitoring of physical facilities and surrounding perimeters helps reduce the threat and extent of costly damage. Immediate analysis and response is possible through our state-of-the-art equipment, which includes:

➤ **High-definition time** and spatially synchronized sensors (patented).

➤ **3D model-based video analytics** and multi-sensor composite panoramic view.

➤ **3D cross-sensor tracking** that enables continuous target monitoring.

➤ **Meta-Data Engine** (real time response/post event).

➤ **Multi-sensor Fusion** (i.e., RFID, Access Control, Fire, Safety, Acoustic, Olfactory, etc.).

➤ **Field upgradeable FPGA technology.**

Improve Safety Performance through Continuous Leak Detection

With automated analytics and 24/7 coverage of assets and locations, leaks are detected as they occur, not hours or days later. Benefits of continuous monitoring include:

➤ Leaks can be corrected immediately.

➤ Detection response personnel do not face unknown risks.

➤ Enhanced safety at local, regional and enterprise levels.

➤ Public relations advantages of fewer public, regulator and safety concerns.

➤ Safer operating conditions across new and aging infrastructure.

➤ Proactive regulatory focus on preventive maintenance.

➤ Correlation of detection events into patterns to help operators and response teams prevent disruption in operations, safety, and security.

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Call Jason Slocum, Vice President of Business Development, at 734-904-8577 to discuss your specific needs or visit us at www.pixel-velocity.com to learn more.