

Advanced Energy Introduces PowerInsight Analytics Solutions

Oct 22, 2019 8:00 AM

Advanced Energy is first to bring actionable intelligence and insights to critical power delivery processes for our services and industrial manufacturing customers

FORT COLLINS, Colo.--(BUSINESS WIRE)-- [Advanced Energy Industries, Inc.](#) (Nasdaq: AEIS) – a global leader in highly engineered, precision power conversion, measurement and control solutions – today introduces AE’s PowerInsight™, the industry’s first big data analytics enabling solution for critical power delivery systems. PowerInsight transforms the data acquired from power delivery systems into useable insights, through a combination of enhanced data sets and advanced analytics. These capabilities allow our customers to maximize performance, reduce costs and improve yield in their manufacturing processes.

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Developed for our services and industrial manufacturing markets and complementing existing industry solutions with a focus on power delivery, PowerInsight leverages machine learning in combination with modern data science methodologies to drive advanced diagnostics and predictive analytics for process power applications and equipment. The platform also supports customers’ big data and artificial intelligence initiatives by providing enabling infrastructure and data sets.

“Data-driven decision making, enabled by the Industrial Internet of Things (IIoT), is becoming an integral part of manufacturing industries, but the data provides little meaning until it is transformed into digestible, actionable information. With PowerInsight, we are enabling our critical components to be the smart nodes that power Industry 4.0, providing our customers with insights to operate their systems more efficiently and diagnose problems quickly,” said Isabel Yang, senior vice president and chief technology officer, Advanced Energy. “Initial feedback from our customers has been remarkably positive, with PowerInsight demonstrating material improvements to our customers’ cost and process performance.”

Combining AE’s 30 years of domain experience in power delivery with rich, contextualized data sets, PowerInsight enables optimization of smart factory performance by providing unique insights on power delivery systems to help customers maximize power delivery and performance, minimize costly unplanned equipment downtime and improve yield. PowerInsight can, for example, enable Fault Detection and Classification (FDC) with unique additional signals for process parameter correlations and can expand to self-diagnostics and calibration of our power delivery systems over time.

PowerInsight is available now to our industrial and services customers through AE’s global service organization, offering flexible deployment options with both on premise and hybrid cloud options, and can be configured and tuned to address specific customer requirements and needs. It will soon be available for semiconductor applications.

To learn more, visit: <http://www.advancedenergy.com/powerinsight>.

About Advanced Energy

Advanced Energy (Nasdaq: AEIS) is a global leader in the design and manufacturing of highly engineered, precision power conversion, measurement and control solutions for mission-critical applications and processes. AE's power solutions enable customer innovation in complex applications for a wide range of industries including semiconductor equipment, industrial, manufacturing, telecommunications, data center computing and healthcare. With engineering know-how and responsive service and support around the globe, the company builds collaborative partnerships to meet technology advances, propel growth for its customers and innovate the future of power. Advanced Energy has devoted more than three decades to perfecting power for its global customers and is headquartered in Fort Collins, Colorado, USA. For more information, visit www.advancedenergy.com.

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Source: Advanced Energy Industries, Inc.