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Press Release Distribution Report

February 18, 2026

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Distribution Report

Modcon publishes technical guidance on real-time monitoring as hydrogen projects face tighter scrutiny

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Your Submitted Press Release

London, United Kingdom, 18th Feb 2026 - Modcon Systems Ltd., a London based provider of process and gas analysis technologies, has released new technical guidance examining how continuous measurement and data integration can support safer operation of large-scale hydrogen facilities. The document is being made available to operators, regulators and financial stakeholders amid increasing examination of risk management practices as projects expand beyond pilot phases.

As hydrogen projects move from pilot scale to continuous industrial operation, operators and regulators are placing increasing scrutiny on how hydrogen purity and process conditions are monitored in real time.

Hydrogen's role in global decarbonisation strategies continues to expand, but the pathway from pilot installations to full industrial deployment is encountering a new level of examination. Regulators, insurers, investors and host communities are increasingly asking whether existing safety and monitoring practices are sufficient for large, complex facilities operating under high pressure, variable loads and evolving technical standards. Hydrogen's rise within national decarbonisation strategies has been accompanied by deeper questions from permitting authorities, insurers and host communities about the ability of industrial plants to recognize developing hazards and respond in time. Several recent international incidents have accelerated those discussions, contributing to longer approval cycles and more detailed technical reviews.

According to industry practitioners, hydrogen's dispersion characteristics, broad flammability range and the transient conditions common in scaled operations can challenge monitoring philosophies developed for steadier hydrocarbon environments. Greater emphasis is now being placed on systems capable of delivering uninterrupted visibility into gas composition and process behavior, while preserving reliable historical records.

Industry analysts and insurers are increasingly treating measurement architecture as a critical factor in determining project reliability and operational risk exposure. It outlines how continuous analytical data, when connected to control architectures and maintenance workflows, may strengthen prevention strategies and improve post-event accountability.


"As hydrogen infrastructure scales, capital is no longer the only constraint — the ability to maintain continuous visibility into process conditions is becoming central to safe and predictable operation", said Gregory Shahnovsky, the CEO of Modcon Systems Ltd

Financial institutions evaluating hydrogen investments frequently review whether monitoring frameworks reduce uncertainty and enable consistent operating discipline. The company said the publication is intended to help technical teams and project sponsors frame those discussions using measurable criteria.

About Modcon Systems Ltd.

Modcon Systems Ltd. is an engineering company active in the field of industrial process analysis and optimisation. Founded in 1972, the company works across energy and process industries where real-time measurement, control, and operational reliability are critical, including oil refining, natural gas, petrochemicals and emerging hydrogen infrastructure.

The company's work centres on integrating process analytics with digital control and optimisation frameworks, particularly in environments where safety, efficiency, and regulatory compliance depend on accurate, continuous data from operating assets. Modcon is headquartered in the United Kingdom and operates internationally.

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