

New Energy Internet technology for use in oil and petrochemical industries

This framework emphasizes the interconnectedness of people, technology, and process for successful digital transformation, highlighting the importance of upskilling, strategic partnerships, ...

AI, IoT, RPA, and digital twins are driving exploration, drilling, and refining automation. Cloud computing and edge computing enable real-time data processing and remote asset ...

Explore the most impactful oil and gas technology trends shaping ...

The Oil and Gas Industry in Net Zero Transitions - Analysis and key findings. A report by the International Energy Agency.

Besides these existing technologies, new technologies such as Artificial Intelligence (AI), internet of things (IoT), big data analytics etc. are emerging together with advanced sensing ...

Discover the top oil & gas industry trends for 2026, including AI, IIoT, CCS, robotics & renewable integration. Explore data-driven insights.

We developed a new technology that is able to detect gas using electro-chemical sensors. Called Smart Gas Detector, this tool utilizes IIoT technology to deliver high-performing self-diagnostics compared ...

In June 2019, before the seismic shift brought by the OpenAI revolution, I authored a JPT guest editorial on the oil and gas industry's digitalization journey. I emphasized the transformative ...

Uncover the full potential of IoT in oil and gas with our in-depth exploration of its use cases, technologies, and solutions for ...

Leverage the best of power, process, and digital solutions offered by Schneider Electric to enable digital transformation in the energy and chemical industries.

Uncover the full potential of IoT in oil and gas with our in-depth exploration of its use cases, technologies, and solutions for improving efficiency and safety in the industry.

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automation, compliance, and digital transformation without disrupting core systems.

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