

# High-precision power supply system for oil pipeline monitoring and telecommunications sites

The system is scalable for coverage of all pipeline assets--from above-ground gathering networks to buried transcontinental oil and gas transmission pipelines--and suitable for all fluid types.

This study presents a novel energy harvesting device that combines piezoelectric and electromagnetic transduction to extract energy from fluid flow within pipelines to supply power to ...

Because oil & gas pipelines are one of the ways that both oil and gas are transported, automation systems play an important role. SCADA systems, video ...

Our solutions improve monitoring and management of hydrocarbon transportation through pipelines, tankers and terminals, ensuring reliable operations, functional safety, system availability and ...

Automation systems are crucial in the transportation of oil and gas through pipelines. These systems encompass a real-time multiservice platform that includes ...

AP Sensing provides advanced monitoring solutions for a wide range of pipelines, including insulated thermal pipes, buried and above-ground pipelines, subsea pipelines, and those carrying crude oil, ...

The PTS empowers pipeline operators with detailed, reliable measurements essential for effective monitoring and integrity management. Our adaptable PTS solutions support monitoring across ...

TC Communications offers cutting-edge solutions to replace these outdated systems, ensuring seamless and modern communication infrastructure. Our product range includes JumboSwitch for customers ...

Examples of such facilities are remote monitoring and control (RMC) stations, including systems for monitoring the state of the oil pipeline and its parameters, leak detection systems, and ...

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As more remote and less accessible reservoirs are developed, high-speed, reliable telecommunications - both fiber and radio - will allow for increased off-site monitoring and control.

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