
Downstream Oil and Gas Solutions

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Oil refineries are large-scale plants that process large quantities of crude oil and feature a complicated production process with a great number of intelligent equipment devices. Because of the high capacity, many of the units operate continuously for long periods of time. The distributed control system (DCS) is the main control system, and is connected to the controller elements by Ethernet networks to manage and monitor the plant's output and performance. Since non-stop 24/7 operation is crucial to the entire process, the Ethernet network system must have reliable redundancy to achieve high data availability and optimal productivity. In addition, a reliable and secure auxiliary system is used to detect and track unsafe events such as leaks to maintain safe operations.

integrated service for real-time data acquisition and monitoring.

- Gigabit performance secure routers to protect critical devices and remote access from broadcast packets and unauthorized access.