

Cellular Networking Solutions for Oil and Gas



Communications for Oil and Gas Exploration, Production, and Logistics Operations

MCA's CNS team deploys reliable connectivity solutions across all phases of your oil and gas projects, emphasizing the enhancement of employee safety, facility security, and operational productivity. By integrating low-power draw, reliable, and ruggedized C1D2 communication devices tailored for the harsh petrochemical environment, alongside secure networks, we facilitate substantial improvements to your data transmission systems. Specialized routers and gateways ensure secure data transmissions, maintaining constant connection with personnel, assets, and systems through public and private cellular WWANs that drive efficient operations essential for mission-critical exploration, production, and distribution. Our service-first approach to connectivity underscores our commitment to delivering robust and secure communication solutions that cater to the dynamic needs of the oil and gas sector.



Remote Sites and Assets

Our connectivity solutions for remote oil and gas sites utilize cloud-manageable, easy-to-deploy, and rugged Class 1 Div 2 IP-rated cellular devices, that ensure robust and reliable connectivity in remote locations and harsh environments.



Pipeline and Leak Monitoring

In partnership with Star Controls we can provide Asel-Tech's Pipeline Leak Detection Systems for the oil and gas industry, offering fast, reliable, and precise leak detection using acoustic and mass balance technologies per API-1130 standards.



Field Services and Logistics

Your field teams and ground transport vehicles require reliable communications with central command for seamless operations. Our vehicle area networkings solutions connect your vital mobile video, GPS, AVL, and CAD systems.



Near Shore Connectivity

We deliver secure, flexible, and scalable near shore communications solutions for ocean rigs and marine vessels to support the advanced monitoring, management, and tracking of sea-based assets, aligned with modern logistics, IIoT, and cloud services.



Infrastructure Security

We offer reliable connectivity solutions for the IP-based video surveillance, access control, detection, and mass notification systems crucial for site safety, enabling swift responses to potential security threats, incidents, and emergency situations.



SCADA Communications

Pioneers in using cellular for SCADA and OT systems we help those within the oil, gas, and petrochemical sector upgrade to public/private 5G and long range low power NB-IoT and LoRaWAN solutions for modern, cost-effective connectivity.

The Team | [Device Provisioning, Activation, and Installation Services](#)

For the last 27 years, the cellular networking solutions team at MCA has provided expert connectivity solutions to oil and gas companies in need of top-of-the-line connectivity devices and platforms to manage their vital communications infrastructure. We provide top-tier support for all aspects of our customers mission and business-critical connectivity projects. Our technicians and installation teams assess your needs and engineer customized solutions to outfit your organization with the hardware and software required to fit your exacting needs.

CONTACT US TO MAKE YOUR WORKPLACE MORE SAFE, SECURE, & EFFICIENT



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