

Altaworx provided 5 MB SIMs for Oil Well Monitoring

INDUSTRY: Oil and Gas

The Problem

The Oil & Gas industry had a need for secure M2M SIM connectivity for their oil and gas monitoring solutions. Before moving to the Altaworx secure M2M SIM solution, they used public SIMs from AT&T for connectivity to transmit monitoring data. Security has become a very important topic in the oil and gas industry. The client was using 3G technology SIMs that were purchased directly from AT&T for their oil and gas solutions. The SIM connectivity utilized the public internet to transmit data to their data center. This method of data transmission exposed their monitoring devices and network to potential security threats.

The Solution

Altaworx provided the client with 5 MB SIM connectivity utilizing private static IP addressing over the Altaworx private APN. The SIM connectivity was secured from public internet traffic and routed through secure Altaworx Data Centers in Texas, Georgia, and California. When wireless traffic hits the AT&T cellular towers it is directed by Tier 1 carriers, via a private tunnel, to the Altaworx Data Centers on the secured private M2M network. From the Altaworx Data Center, the data is then directed to the client's data center through a secure tunnel between the Altaworx firewall and the end client's firewall. The client was also provided with visibility into their SIM inventory and usage data for each SIM deployed in the field through the AMOP.

Business Impact

Altaworx provided the client with the level of security they required for their sensitive oil and gas applications. By utilizing private static IP addressing, the client reduced overall data consumption by eliminating the ability for hackers to ping their public IP addresses. The Altaworx solution also improved critical data security by eliminating the threat of hacking by replacing the public connectivity traffic with a secured private network and private static IP addresses.

Company Profile: Industry-leading oil and gas provider of artificial lift and production optimization solutions.