

Altaworx implemented Secure SIMs to remotely monitor utility grade natural gas backup generators

INDUSTRY: Utility Grade Backup Generators

The Problem

Enchanted Rock needed a secure M2M SIM to remotely monitor the Utility Grade Backup Generators they install and support for their clients. Prior to moving to Altaworx secure M2M SIM solutions, they used public SIMs from AT&T for connectivity to transmit monitoring data. Supplying mission critical generators for clients that can never be down, made connecting with secure SIMs a must. Enchanted Rock was using 3G SIMs that were purchased directly from AT&T for remote monitoring. The SIMs utilized the public internet to transmit data to their data center. This method of data transmission exposed their monitoring device and provided not security.

The Solution

Altaworx provided Enchanted Rock with 5 MB SIMs and private static IP address utilizing the Altaworx private APN and the secure Altaworx Data Center. When Enchanted Rocks wireless traffic hits the AT&T network it is then forward by AT&T via a private IPsec tunnel to the Altaworx Data Center. From the Altaworx Data Center the data is then forwarded to Enchanted Rock via an IPsec tunnel between the Altaworx Cisco firewall the clients firewall. Altaworx also provided SSL access to Enchanted Rock via the Altaworx Cisco firewall and private IP address for remote support of device in the field. The client was also provided access to the AT&T Control Center/Jasper platform for trouble shooting and visibility into usage data for each SIM deployed in the field.

Business Impact

Altaworx provided Enchanted Rock with the level of security they required for their sensitive utility grade generators. By utilizing the private static IP address Altaworx reduced Enchanted Rock's data consumption by eliminating the ability for potential hackers to ping their public IP address probing for potential vulnerabilities.

Company Profile: Enchanted Rock is a provider of Utility Grade Natural Gas Backup Generators for Enterprise Customers