Telecom Base Station

ABOUT

Our customer is a leading global telecom provider with a number of operations in the Caribbean.

THE CHALLENGE

In the Caribbean only 12.5% of the population have access to electricity, but even those with electricity sometimes average on just 6-7 hours per day. The lack of an adequate electricity infrastructure has created a challenge for Telecom operators who then have to rely heavily on diesel generators to provide the power to run base stations. This has created an environment of high operating costs and demanding logistical challenges for diesel delivery coupled with local theft and pilferage. It has created a problem for telecom operators, which across their network of sites can cost as much as US$175,000 per month. The telecom operators had a requirement to reduce their OPEX (Operating Expense) by cutting down on the need to manually measure the quantity of diesel in each of their 1200 tanks on a daily bases and the amount of administration needed to input and analyse the data. They also needed alerts in case of theft, low levels, water contamination and transparency to the delivery process.

Why OILGUARD9000

Oilguard9000 are leaders in the field of remote fuel management. They have designed and manufactured diesel fuel management systems for mission critical applications worldwide. Their products are used across a number of market sectors by many diverse companies and municipalities to protect and manage mission critical fuel stocks. The Oilguard9000© is manufactured in Ireland to a high standard with multiple industry accreditations.

SOLUTION

We installed the Oilguard9000© on a number of remote sites and give the telecom operator access to a cloud based GUI where they could see tank levels reporting. The operator also got email and text alerts for fills, thefts, low levels, water ingress and high levels. This was all available without any modification to their existing network operating centre infrastructure.

RESULTS

The telecom operator was able to monitor these sites remotely and receive alerts on all Oilguard9000© functionality. This resulted in a significant reduction on the amount of site visits for inspecting and recording fuel levels, a reduction in thefts and the implementation of a system to monitor fuel usage, carbon footprint reporting, optimised fuel delivery transparency and gave overall improved fuel inventory control. The client experienced a reduction in theft of approximately 85% which equates to a saving of approximately $15,000 per month.