

Usage Story

Diesel Tank Monitoring for Backup Generator

Client: International Telecom Company

Our client is an international telecom company. The company connect over 13 million active customers and offer both phone services along with mobile internet services via their network.



The Challenge

The business operates over a vast area and offers networks in areas where the electricity supply is not guaranteed. They have over 5000 diesel tanks in deployment, each linked to a backup generator for the purpose of providing power to their telecom masts in the event of a power grid failure. The company had huge issues with accurately seeing how much diesel was in each tank and was spending a lot of time and money gathering this information. Also, to further eradicate the risk of the tanks having no diesel or running out and causing mass disruption to their network and to their customers, the company was having to keep a constant high level of fuel in each tank, therefore having a very large expensive stock holding of fuel in the deployment.

The Solution

Dunraven Systems RMS Delta software gathers and stores information from deployed remote tank sensors regularly in an orderly and easy to understand manner. The system provides the users with the ability to constantly see the fuel levels across the entire tank population and also send trigger alerts once tank level thresholds have been passed.

The Results

Utilising the solutions from Dunraven Systems, the Telecom company savings are greater than €1m euro per annum. They were able to downsize the number of members of the fuel management team but perhaps the biggest saving of all from this project, is the reduction in fuel stock from 60% per tank to 40% per tank across the whole tank population. Also, the drain alerts and low-level trigger alerts features contribute significantly to near extinction of fuel theft from the tanks in the field, giving the Telecom company an added useful benefit from the project.