

Superior Propane Sensor Intallation



ABOUT

Superior Propane is the industry leader and has been providing the Canadian market for over 70 years both commercially and residential. They have over 5,000 employees with an annual revenue exceeding 2.4 billion dollars.

PROJECT OVERVIEW

Sensors installed at the bottom of propane cylinders can measure the amount of propane liquid stored in them. These powerful battery-operated sensors use sound wave propagation to measure the distance between themselves and a surface. The amount of liquid stored in a cylinder can be effectively gauged with level monitoring systems. As propane tanks are placed outside most buildings for safety reasons, the sensors (found on the tank's exterior) are exposed to extreme weather and therefore must be replaced every three years.

SOLUTION

GT Global Services technicians replaced more than 2,900 sensors for this client across the country. The installation of these new and highly reliable sensors ensured an extended lifecycle of three to five years of continuous, uninterrupted service. Data from these sensors can be read from an IoT platform accessible on mobile and desktop devices, offering an effective way to gauge propane levels and ensuring a continuous supply

CONCLUSION

This propane level monitoring solution is just one great example of the potential for IoT technology and, when combined with additional IoT solutions, can offer even more capabilities. This IoT solution can be leveraged in any industrial, commercial, or residential system to identify inefficiencies, understand market demand, and boost operational methodologies. IoT is a groundbreaking technological development which offers efficiencies and conveniences never seen before.

AT A GLANCE

Challenges

- Remote Locations
- Sensors are subject to extreme weather conditions
- Accessibility may be limited
- Street People

Benefits

- Real Time 24/7 monitoring
- Peace of Mind knowing exact amount of propane in tank
- Advanced analytics and usage reporting

IoT Solutions

- Smart Buildings
- Industrial IoT
- Corrections - Biometric Monitoring
- Long Term Care - Biometric Monitoring & Falls Detection
- Space Utilization and People Counting
- Access Points
- Installation and Repairs



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