CASE STUDY:

GUJARAT STATE PETRONET LIMITED.

Gujarat State Petronet Limited –

Gujarat State Petronet Limited (GSPL) was set up to complement the efforts of GSPC. While GSPC harnesses and procures natural gas, GSPL has built the infrastructure that transmits the gas across the state of Gujarat and ultimately allows last-mile linkage to the end-user. GSPL has already put in place a pipeline network of about 2192 km and further extension of pipeline network is going on. The company has signed gas transmission agreements with various industries for the transportation of natural gas from various supply sources in Gujarat. GSPL approached us demanding for a centralized electrical Energy Management System for their 124 gas pipeline terminals located across Gujarat so that they could reduce their energy bills which were exorbitant in size and for automating the process of data collection and remote monitoring and analysis purpose.

KEY CHALLENGES

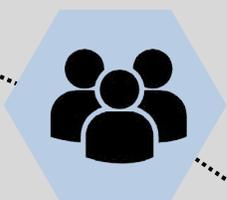Automated energy data collection of 124 pumping stations was a big challenge.

Energy bills were a surprise & there was no way for energy bill validation.

There was no way to forecast energy costs.

Missing data & insights that could be used for targeting improvement areas.

There was no central monitoring solution that could be used enterprise wide, to serve needs of different users.

KEY REQUIREMENTS

- Energy Management
- Energy Bill Validation
- Centralized Monitoring System
- Automating Data Collection
- Energy Cost Forecasting
- Monitor UPS at booster stations

Data Acquisition:
Energy devices, sensors, automation systems and mobile apps

ioEYE IoT Platform

EnergyLogicIQ Cloud Platform

Dashboards & Reports

Smart Alerts

Intelligence

1

Overall reduction in energy costs by **11%**. Bill verification & forecasting enabled more accurate budgeting.

2

100% monitoring of all 124 pumping stations at a single platform enabling users with better decision making.

3

100% tracking and accountability of savings opportunities.

GSPL is today a smart IoT enabled organization where people and things collaborate for greater business success. Different stakeholders are aware of what is happening in real-time, and have insights for better collaboration between teams. Advanced analytics and machine learning provide information that lets them identify anomalies, act in time and take corrective actions for efficient use of energy - lowering energy and maintenance costs; actions that ultimately lead to improved profits.

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The Sustainability Cloud™

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