IIOT Pilot Case Study

SUMMARY

An Industrial customer wanted to implement Energy IOT to automate data acquisitions from the industrial meters in the plant for energy monitoring and optimization using predictive intelligence

THE CLIENT'S CHALLENGE

The client's challenges are as follows:

- Furnace area – Manual meter reading; lack of condition monitoring for motors
- Mill area – lack of energy analytics from the data gathered through an Electrical management system (EMS)

SOLUTION

This solution is to automate data acquisition, energy optimization and condition monitoring for predictive intelligence and improved efficiency by implementing an IOT solution based on SmartSense

- Automate the meter reading in furnace and mill areas (total 37 meter points)
- Actionable predictive insights from the meter for improved energy efficiency
- Identify Electrical, Process and Asset issues using anomaly detection algorithms
- Optimize energy cost through billing insights
- Timely Alerts and Gain insights and customized recommendations
- Maintain activity & Impact log for each Issue

RESULT

The pilot has achieved its desired outcome to automate the data acquisition from all the meters and ability to get valuable insight from the data to uncover issues in the electrical network. The identified issues were fixed and had helped customer to create a wider plan for IOT implementation in the plant.