# Collating the Utility data for the critical insights that helps in better decision making

## Abstract

Our client wanted to implement an intelligent system that can monitor and analyze the utilities in their plant. They wanted to implement the system in phases and then extent it to the corporate level. The first phase was intended to connect all the energy meters at their Gujarat Plant. Earlier, the manual entry of 1500 parameters and collating them to generate reports was a herculean task and was often challenged by data inaccuracy. The major goals for implementing ULTIMA in the first phase was

To collate the data from 431 energy meters on real time basis, generate reports and alerts

- About 1500 parameters needed to be analysed and presented in dash board for critical insights for the stake holders at different levels in the hierarchy
- Reduce the cost and effort spent on data collection of utilities
- To have an accuracy in reports and dash boards, that helps in optimal decision making

**Grove Limited**
Case Study

**Industry**
Pharmaceutical

**Offerings**
Consulting Services and ULTIMA - Utility Management System

**About The Client**

Lupin Ltd. is a leading fully integrated pharmaceutical company with its main centres in the US, India and Japan. Headquartered in Mumbai, India, Lupin Limited today is an innovation led transnational pharmaceutical company producing a wide range of quality, affordable generic and branded formulations and APIs for the developed and developing markets of the world. Lupin is one of the world's largest manufacturers of Tuberculosis drugs.

## Business Challenges

- Difficulty in collating data from energy meters spread across different locations within the plant and challenges in monitoring critical parameters that would help in process optimization and sustained equipment life. Enormous man hours was spent on collecting data and generating them to necessary reports had an impact on the cost
- It was a tedious task to generate insightful reports that includes the electricity generation v/s consumption analysis

- Generating reports was often challenged for accuracy in data
- No insights regarding the energy (electricity) production, procurement, transmission and wastage

## Solution

- Since the project had to be executed in different phases, implementation was planned by exploring all the opportunities for scalability
- Identified measuring points in line with the project goals and configured the meters and converters in different sections
- All the electricity data was collated in a single data repository and that could be analysed at enterprise level.
- All the reports pertaining to electricity was configured to deliver critical insights using the ULTIMA reports and dash boards

## Results

- Helped in drastically reducing the cost and efforts for collating the data, generating reports and analytics
- The system helped in identifying electricity wastage by analysing the demand v/s supply and other critical analytics
- All the electricity life cycle is mapped in the system to generate critical alerts and timely reports
- Accurate and optimized reporting helped in better decision making

### About Grove Limited

Grove is a digital transformation and technology services company, providing consulting and delivering optimum solutions, including those in sustainability, mobility, big data, and cloud computing. Our deep industry expertise in utilities and business processes, leverages technology to optimize your IT into a strategic asset. Grove has invested enormous man years in the research and development of utilities and its life cycle in different industry verticals. Since utilities are the single and largest controllable cost in production, Grove has identified all the possible opportunities to save the utility cost and is adding value to the global sustainable initiatives.

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