



Success Story: Smart Energy Monitoring Deployed for a Valued Customer

Customer Overview :

A valued customer required a smarter way to manage energy across multiple sites. These facilities, serving thousands of visitors annually, operate large-scale HVAC systems, lighting networks, resulting in high and complex energy demands.

Project Overview :

To solve this, the Customer partnered with us to deploy a modern,scalable Energy Monitoring System. The solution was implemented across four facilities, connecting each facility through an intelligent network of monitoring devices—allowing centralized data collection, real-time monitoring, and performance optimization.

Problem Statement :

The facility operated independently at four different locations, making it difficult to manage energy usage uniformly.

The key challenges included :

- **Lack of centralized visibility** into energy consumption
- **No unified system** to monitor real-time performance
- Difficulty in **tracking anomalies or inefficiencies**
- Inability to generate data for **optimization or compliance goals**

This project was successfully completed within 18 months, with minimal disruption to operations.

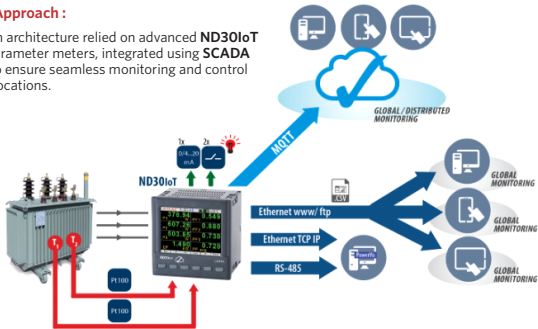
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Solution Approach :

The system architecture relied on advanced **ND30IoT** network parameter meters, integrated using **SCADA** software to ensure seamless monitoring and control across all locations.



Key Features of the ND30IoT Meter:



Power & Energy Analysis



Seamless Connectivity



Real-Time Data Logging & Reports



Advanced Harmonic Analysis



High-Precision Measurement



User-Friendly Interface

Results & Impact : Tangible Outcomes:

- Real-time, centralized energy monitoring across all four facilities
- Improved energy efficiency through data-driven insights
- Early detection of electrical anomalies
- Enhanced operational transparency and maintenance planning
- User-friendly interface allowed staff to adapt quickly

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