

SMART ENERGY MANAGEMENT SOLUTIONS

REDUCE YOUR ENERGY BILL BY UPTO 20%



Reduction in energy bills by
scheduled load management



Decomposing the penalty to equipment
level and identifying the contributors



Cloud based dashboard helps the headquarters
to monitor their plants and their productivity



Machine learning algorithm understands usage
patterns and prompts scheduling in advance



ALARMS & EVENTS

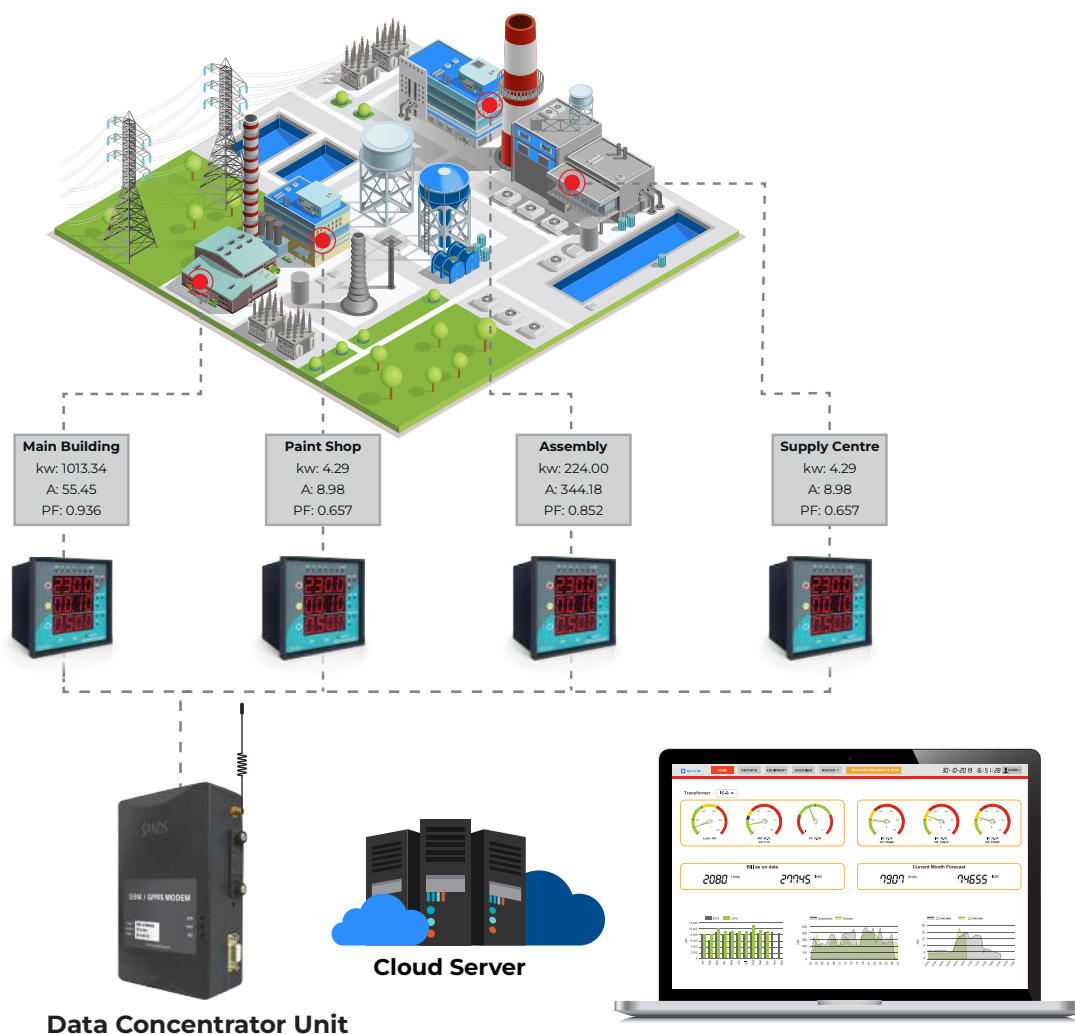
Identifies anomalies in trend and notifies
on the dashboard. Event log with time
stamp created for detailed analysis.

SMART ENERGY MANAGEMENT SOLUTIONS FOR INDUSTRIES



Accelerate towards ISO - 50001 with SANDS Energy Management Solutions (Smart EnMS)

Smart EnMS is designed to monitor energy consumption, increase reliability, predict electrical system failure, improve the utilization of the system and optimize energy usage to reduce cost.



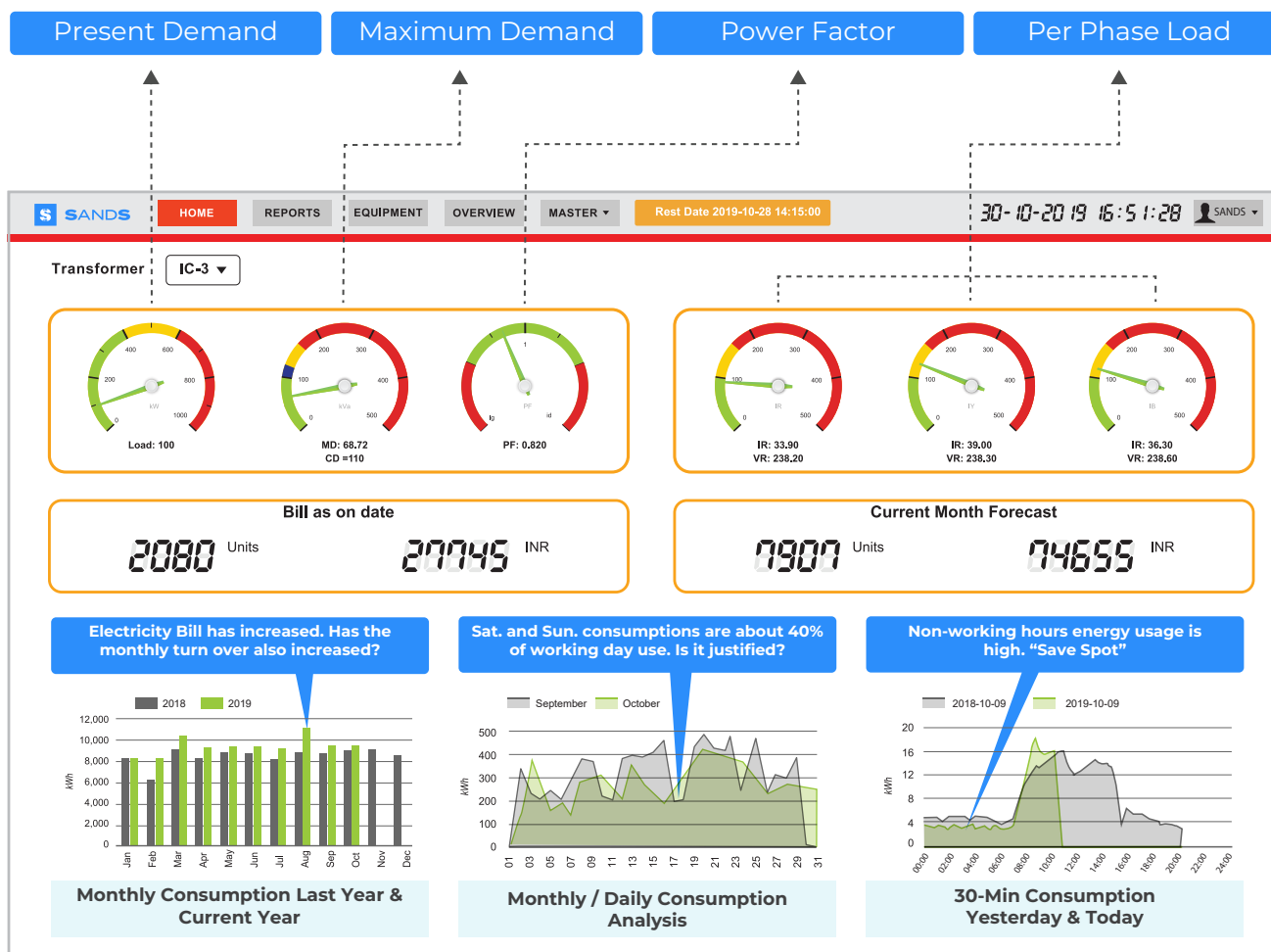
FEATURES

- Integrates with any MODBUS & DLMS meter
- Advance notification to avoid penalty
- Critical equipment usage statistics
- Identification of significant Energy users
- Customized dashboards to display Specific consumption
- Data for health monitoring of electrical equipment

DASHBOARD



Our Real-time Energy dashboard lets you make immediate changes in your consumption pattern as you pay, performs like a real-time energy audit tool.



ADVANTAGES



REAL-TIME ANALYSIS

Interactive Dashboards that help you decompose the energy consumption to the node. Observe daily, monthly and annual patterns for decision making



CUSTOMIZATION

Each Industry has a unique structure, and the tool can be easily customized to meet all the requirements



ENERGY EFFICIENCY

Compute the Critical metrics - Energy Performance Indicator - EnPI & set your Energy Baselines to monitor progress



REPORTS

Critical parameters and insights in daily reports, which help improve productivity

How our customers have benefited



A Leading Paint manufacturer

12.5% increase in plant efficiency

Cloud based dashboard, which helps the headquarters to monitor their plants and their productivity

Improved plant efficiency with line level data analytics

Dashboard for Real Time Plant Scheduling & decision making at the plant level

Critical equipment usage statistics

Idle time and wasted resources estimation

Data to compute the energy costing per Litre

A Large Panel Manufacturer

19% increase in operating efficiency

Decomposing the penalty to equipment level and identifying the contributors

Key insights on manufacturing line productivity and loading factor on each equipment

Identifying operational wastage and idle hours provision to program Alerts if idle hours exceed the set threshold

Equipment utilization statistics help in enhancing life of critical equipments

A Medium Scale Component Manufacturer

10% reduction in energy bills by scheduled load management.

ROI of 160% within the first 1 year

Payback period of 7.5 Months

The Machine learning algorithm understands usage patterns and prompts scheduling in advance

Shave the peak and fill the troughs to avoid penalties

Real-Time Energy profile monitoring and effective scheduling of loads, helped in avoiding penalties

Being a three shift industry, the cloud based dashboard gives a platform to monitor the productivity and operational levels from shift to shift

A Global Electrical Equipment Manufacturer

₹7.2 Lakh recurring annual savings on just HVAC bills

ROI of 1440% within the first 1 year

Payback period less than a month

Installing a Real-time Energy Management System helped study the Energy Profile of the manufacturing plant and schedule the HVAC systems in an efficient manner, thereby saving substantial energy costs annually

Cloud based dashboard to monitor the daily consumption and forecast monthly consumption intelligently

Automated Daily Energy Reports to Seniors

Prices are subject to actual requirements, contact sales for pricing

Product development is continuous process - Specification subject to change
Energy Management System. 21/08/24

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