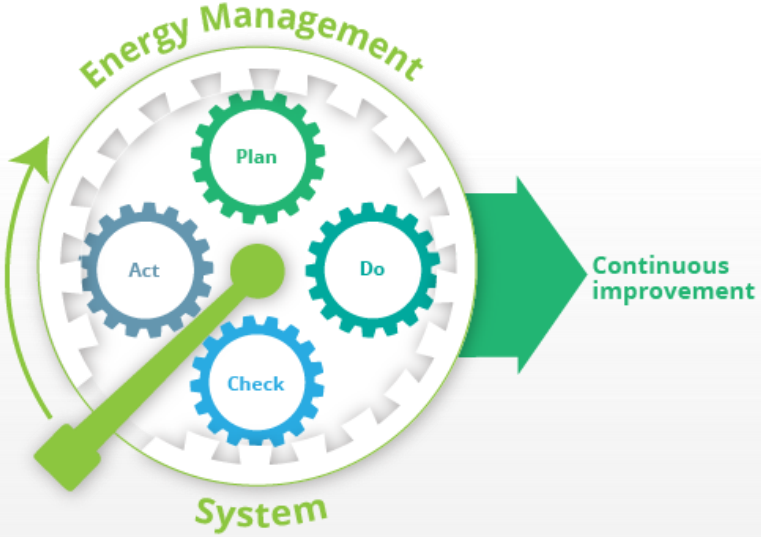
# Remote Energy Management Solution

# Making the Energy Visible

REMS Enable to Monitor, Manage, analysis and Control Multi-Location Energy Operation



# EMS Solution Architecture

Meter-1

Meter-2

Meter-3

Meter-4

RF 485 connectivity

Universal Gateway

IOT –LAN/Wifi/2G/4G

Application Server

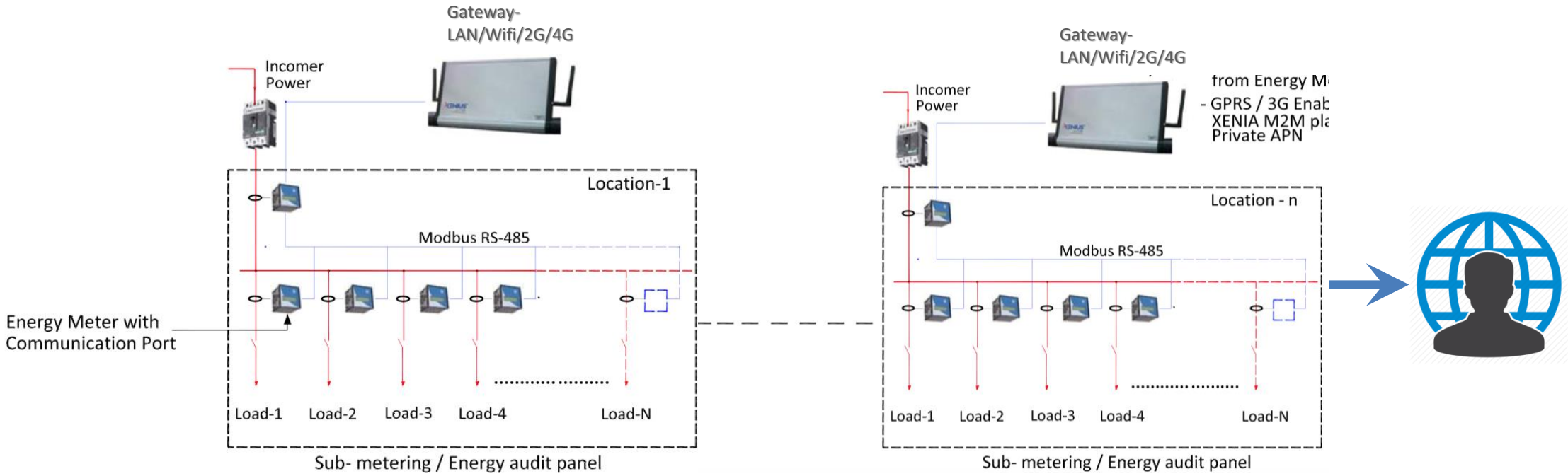
Analytics Engine

Database

Mobile User

Web User

# EMS Solution Architecture



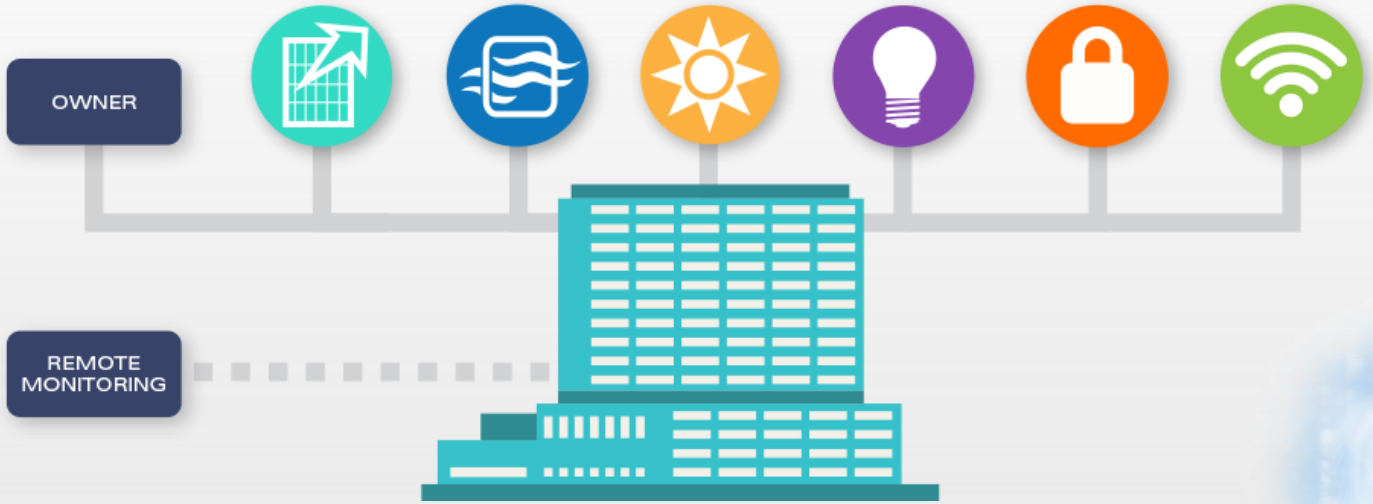

Web User- Single Platform , Multi Locations

## Universal Gateway Supported Protocols

- DLMS
- Modbus
- Proprietary
- Ethernet
- NC
- GB

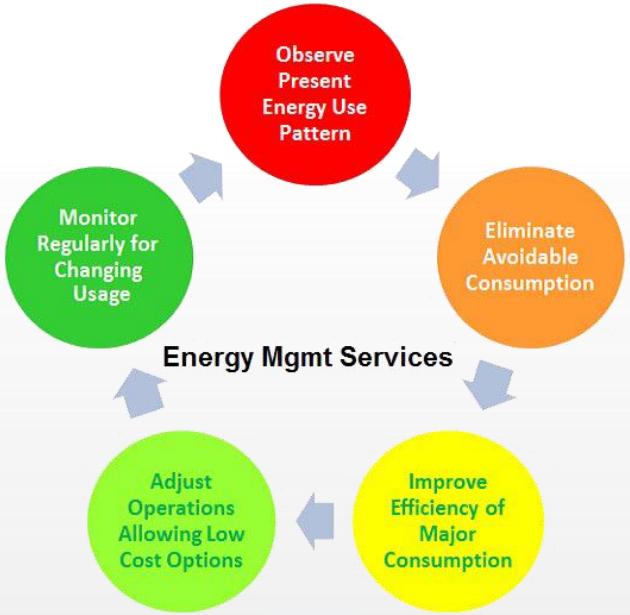
# Features

- Centralise Remote Energy Management
- Report Performance and Health of Devices
- Real Time Data for Better Monitoring
- Historical Data for Analysis
- Capture Energy Parameters



# Features

- Configurable Data Capturing Frequency
- Alarms/Notifications on Mobile App/E-Mail
- Analyze Peak/Lean Demand
- Configurable Alerts and its Threshold.
- Information Access Any time Any Where
- Device Access Any time Any Where



# Reports

- Hourly/Daily/Monthly Consumption Pattern
- Load Pattern report
- DG Running Report
- Device Profile Report
- Device Health Report.
- Advanced billing Capabilities.

# Alerts/Notifications

- Out of Schedule Device Running
- Load variation
- PF variation
- Voltage Variation
- Device ON/OFF
- DG ON/OFF
- Deviation from the Standard Specification of Device

# Value Preposition

- Improve Operational Efficiency and Service Reliability.
- Enabler to reduce Energy Consumption.
- Avoid Potentially Costly Unexpected Downtime.
- Significantly Improve the Capital value of Building.

# The Solution is useful for following :

- SME’s
- Various Industries
- Chain of Schools
- Commercial Buildings
- Hotels
- Residential Buildings
- Private and Government Institutions
- Big Chain of Stores.