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Resource Monitoring

Description

The Resource Monitoring System
is a tool used to collect:

- Detailed consumption information.
- Daily consumption report.
- Exception report and cost.
- Calculation by utility type.

Benefits

- Optional Cloud based Centralized monitoring with automatic pre-warning.
- Detailed Insight usage of utility reports
- Real-time availability of reports from plant level.

Software & Reporting

- Web application can run on any connected Web device such as HMI / PC or Smartphone.
- Graph, Pie Chart.
- Value Display
- Historical Trends and storage.
- Color Change, Text Change.
- Process Mimic Diagram.
- Event Log.
- Data Export for offline monitoring.
- SMS and Email alert system for alarms and programmable events.

Important Features

- Non – Intrusive
- Solid state On device data logging 24x7.
- Measuring and analyzing utility usage.
- Automatic data collection.
- Advanced reports – on cloud Report viewing - anywhere, anytime, with any web browser.
- Flexible logging intervals.
- Also displays instantaneous values.
- Operator logging of events.
- Menu driven HMI.

Applications

- Water
- Air
- Gas
- Electricity
- Steam
- Chemicals
- Lubricants
- Oil

Hardware

- Blind/3.5 inch touchscreen color display
- 7 inch color HMI.
- Embedded Linux
- Embedded Webserver
- Local Storage (8GB – 32GB)
- Real time clock with battery backup.

Wired Interfaces

- a) Ethernet
- b) RS - 232
- c) RS - 485
- d) CAN
- e) USB

Wireless Connectivity

- a) Wi-Fi
- b) GPRS

Fieldbus

- a) Modbus TCP / IP
- b) CAN Open

Protocols

- a) MQTT
- b) HTTP
- c) OPC