scadabox

INDUSTRY 4.0

IoT Solutions

Platform as a Service - PaaS

Embedded Servers

IoT Edge Devices

Smart Displays

IoT Gateways

Device Monitoring & Integration

Scadabox platform designed with rich I/O, can easily make connections to different domains of devices and systems allowing a wide variety of applications.

- PLC monitoring & control
- Controllers & Indicators integration
- Cloud connectivity of sensors & controllers allowing remote monitoring
- Integration of production data with ERP / QC systems
- Datalogging & Analytics

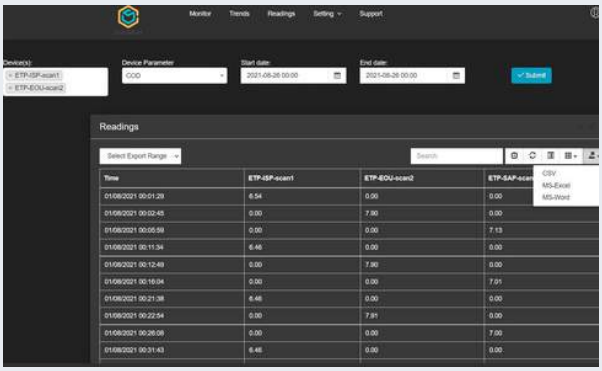
Cloud powered process monitoring

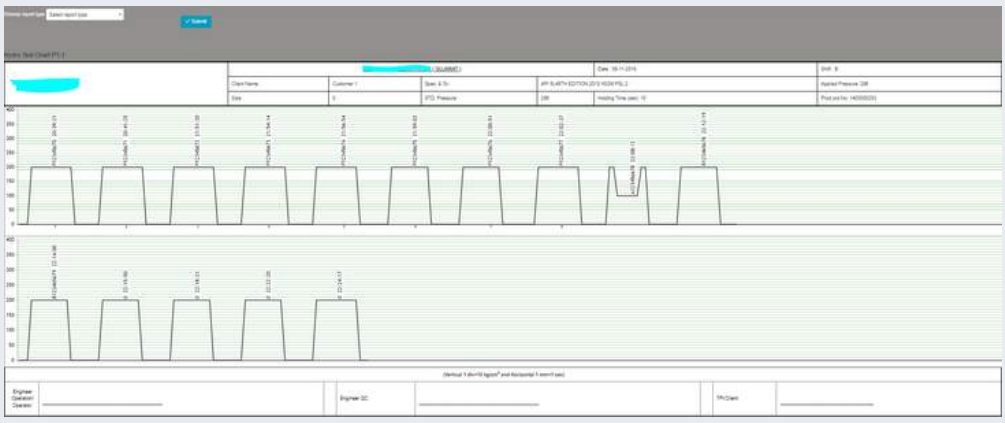
Any production data at your fingertips Anywhere & Anytime

Combine & Analyze process data across multiple sites

Aggregate production data to identify and correct quality issues

Monitor production flow in near-realtime Observe historical reports and trends





- Implement process parameter based alerts
- Increase production efficiency
- Improve production quality
- Reduce machine downtime
- Customized reporting & Charting
- Highly customizable UI

Embedded Server & Local Monitoring

Power of Scadabox cloud packed in
+ Small form factor
+ Eco-Friendly
+ Ultra affordable
+ Fast & powerful system

Hardware Specifications

- Quad-core 1Ghz+ processor | 2 GB / 4 GB RAM |
- Ethernet
- Wifi 2.4Ghz
- 2x USB 3.0 A ports

Connectivity

- Modbus - RS485 | Modbus - TCP/IP | OPC-UA | Siemens S7Comm
- WEB API - GET/ PUT Client | MQTT | LORA | WebSockets | TCP sockets
- Web API Server | TCP Server | AWS / Azure / Google cloud iot

Applications :

- Plant level data acquisition and integration
- Production / process data feed to SAP / custom ERP / QC software
- Local level alert and notification
- multi-PLC/ multi-device cloud gateway
- Paperless data-logger

Smart IoT Displays

Specifications

- Font Size : 2.5 Inch | 4 Inch | 6 Inch | 300mm
- Display size : 1 ft to 20 ft
- Colors: Multicolor 4mm pitch 6 mm pitch | Single color : red | yellow | white

Connectivity

- Modbus - RS485 | Modbus - TCP/IP | OPC-UA | Siemens S7Comm
- WEB API - GET/ PUT Client | MQTT | LORA | WebSockets | TCP sockets
- multi 4-20mA input / multichannel DI | relay output for alarm & control

Applications :

- Plant level data acquisition and display
- Multi channel AI / DI jumbo display
- GPS clock | master-slave sync clock
- Environmental data display - Air Qualtiy / water quality / STP data
- Safety / incident data display
- Remote site data monitoring

IOT Edge Devices & Gateways

Connectivity

- Modbus - RS485 | Modbus - TCP/IP | OPC-UA | Siemens S7Comm
- WEB API - GET/ PUT Client | MQTT | LORA | WebSockets | TCP sockets
- multi 4-20mA input / multichannel Digital Input
- Wifi 2.4Ghz | GSM 2G - 4G | GPS Glonass

Applications :

- Plant level data acquisition
- Multi channel AI / DI | Modbus - multidevice connectivity
- Remote site data monitoring
- Cloud data connectivity
- Cold-chain / Storage monitoring
- Fleet tracking

Platform as a Service - PaaS & OEM Support

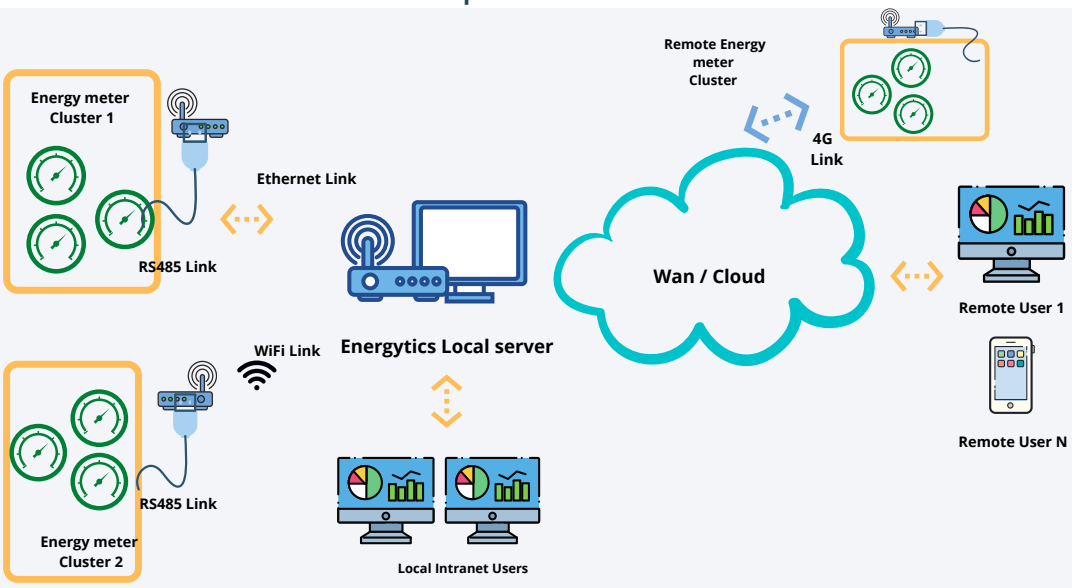
Scadabox platform is designed with keeping needs of OEMs in mind. it is not just a solution for end-users. it enables OEMs to upgrade to the world of IoT & Cloud technology instantly.

+ Instant and easy integration - reduces time to market. + Ultra affordable with PayAsYouGo plans
+ Zero overhead of time and resources from R&D and maintenance.

ENERGYTICS

Energy Monitoring & Analytics

Flexible & Scalable Cloud powered architecture



A powerful analytics system.

+ Ultra affordable.

+ Extremely scalable - 1 to 256 devices

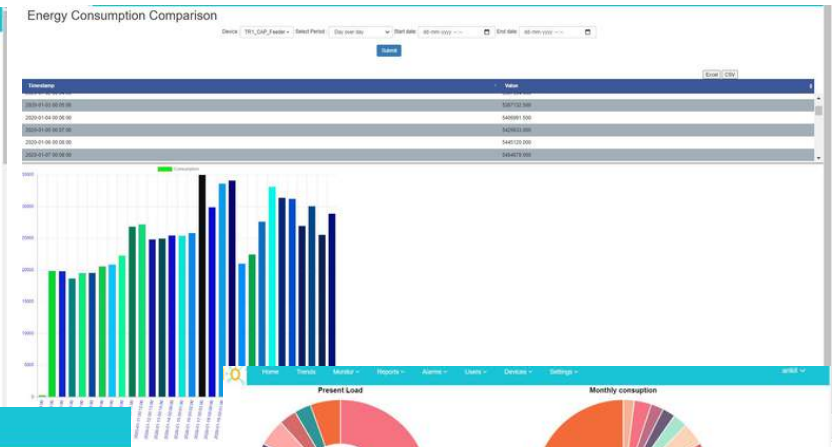
+ Multisite data integration .

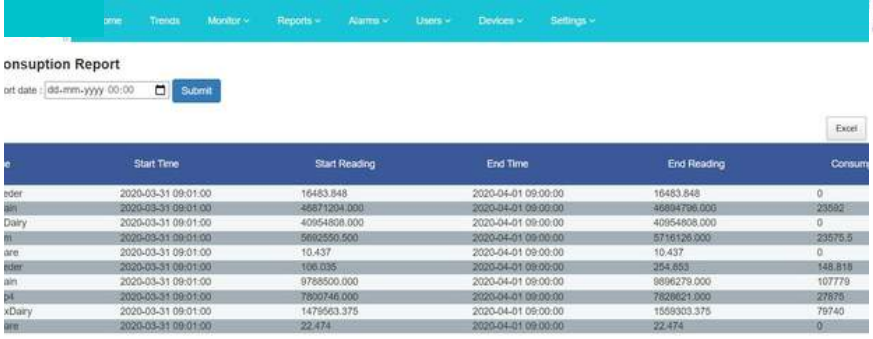
+ DG set monitoring & tracking.

+ Reliable , fast , effective notification and alerts on set-points.

+ Fast & powerful architecture

- Convenient - Simple plug and play install, easy to configure , easy to use intuitive user interface.
- Accessible - All logs and data easily available on cloud / intranet of the plant.
- Scalable - Energytics platform can easily cope up with your organization needs, from a single to several hundred data point collections.
- Flexible - Energytics supports a vast variety of energy meters / PLCs / Controllers , and can easily communicate data using wired/wireless transmission medium. data acquisition of very remote sites using 4G mobile network
- Alarm facility and notification of critical events on screen , via emails and SMS .
- Customized reports to suite your reporting requirements
- REST-API availability for integration of data with another applications / ERPs.





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