

INTERNET OF THINGS (IOT)

MONITOR GENERATOR REMOTELY

CLOUD | 3G | GPS | MODBUS | SECURE



About Esskay:

Verticals:

- Industry
- Healthcare
- Analytical
- Energy
- Building Tech

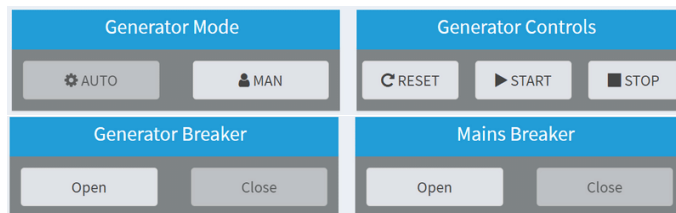
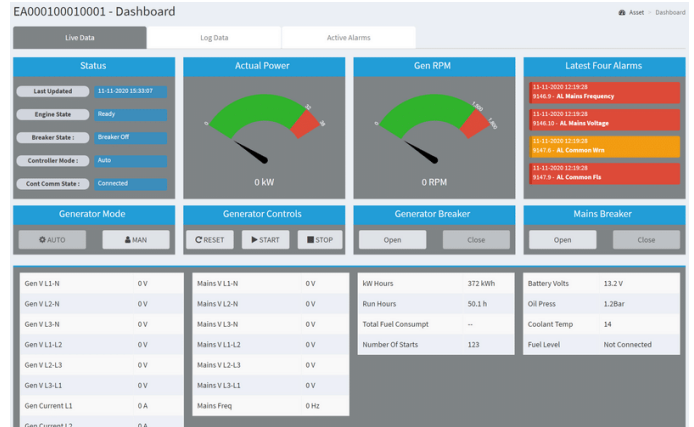
Esskay was established in the year 1992 as an Industrial services company in the area of After sales support like repair, training and field services to many OEMs. Today Esskay is operating in 3 countries (10 Branches) with the team size of more than 550 employees.

Esskay is an ISO 9001:2015 certified company serving its customer with quality and competitive solutions.

KEY FEATURES

MONITORING | UPTO 33 PARAMETERS

Lube Oil pressure
Coolant temperature
Fuel level consumption (*)
Battery Voltage
Running status
Operating mode (auto/manual/off)
Generator frequency, Voltage & Current
Main frequency, Voltage (*)
Generator run hours, kw, kwh
Generator number of starts



REMOTE OPERATION | UPTO 4 CONTROLS

Generator switch On/Off
Breaker Close/Open (*)
Fault reset

ALARMS | UPTO 100 ALARMS

Alarms/fault event notifications

| Date Timestamp | AlarmID | Description |
|---------------------|---------|--------------------|
| 11-11-2020 12:19:29 | 9146.9 | AL Mains Frequency |
| 11-11-2020 12:19:29 | 9146.10 | AL Mains Voltage |
| 11-11-2020 12:19:29 | 9147.6 | AL Common Wtr |
| 11-11-2020 12:19:29 | 9147.9 | AL Common Flt |

| S.No | Alarm Details | SMS | Email |
|------|------------------------------|-------------------------------------|-------------------------------------|
| 1 | 9146.9 - AL Gen Overvoltage | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |
| 2 | 9146.1 - AL Gen Undervoltage | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |
| 3 | 9147.2 - AL Gen Voltage Wtr | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |



ALERT | SMS & EMAIL | UPTO 5 CONTACTS

Configuration of alerts based on parameter limits
Configuration of alerts based on alarms events

USER ADMINISTRATION | UPTO 5 USER

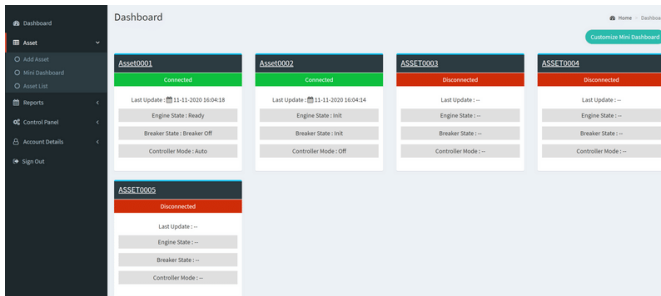
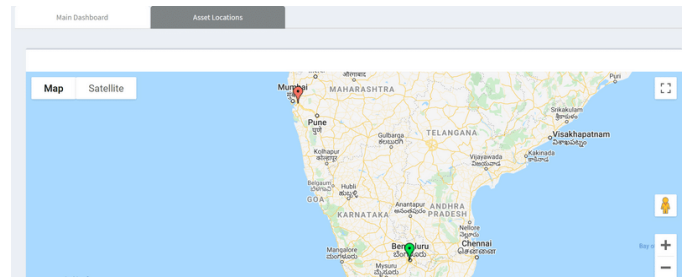
Admin can configure upto 5 users

- SMS Enable/Disable
- Email Enable/Disable
- Permission - Configure/monitor/control

| S.No | Name | Username | Email Address | Contact No | Email Alert | SMS Alert | Permissions | Created | Action |
|------|------------|------------|----------------------|---------------|-------------|-----------|-------------|---------------------|--------|
| 1 | Umesh | umeshp | umeshp@esckay.in | +918900808021 | Enabled | Enabled | Config | 05-05-2020 17:15:54 | |
| 2 | Kiran | kiran | spoonim@esckay.in | +918900808021 | Enabled | Enabled | Config | 05-05-2020 17:16:24 | |
| 3 | Dharit | dharit | daved@esckay.in | +918900808021 | Enabled | Enabled | Config | 05-05-2020 17:17:33 | |
| 4 | Srinivasan | srinivasan | srinivasan@esckay.in | +918900808021 | Enabled | Enabled | Config | 05-05-2020 17:22:27 | |
| 5 | Rachita | rachita | rachita@esckay.in | +918900808021 | Enabled | Enabled | Config | 11-06-2020 15:56:25 | |

GPS | 3G | 2G | MODBUS

- Live Tracking of Assets location in the map based on live GPS co-ordinates
- Supports 3G/2G network
- Supports all generator with controller having modbus RTU/ASCII interface



CUSTOMIZABLE DASHBOARD | UPTO 8 ASSETS

Customize dashboard by your self for simultaneous monitoring of upto 8 assets of your choice!

GRAPHS | UPTO 3 GRAPHS | UPTO 7 DAYS

Following Graphs are available

- Power generation
- Engine characteristics
- Fuel load characteristics



Asset Reports

Asset ID : EA000100010001 From Date : 01-11-2020
Asset Description : Eskay Woodi Office To Date : 07-11-2020

Download PDF Report Download Excel Report

| Details | From | To | Diff |
|-----------------------|------|------|------|
| Energy Produced (kWh) | 353 | 355 | 2 |
| Running Hours | 47.6 | 48.3 | 0.7 |
| Fuel Level | NA | NA | NA |

| Date | Total Energy (kWh) | Energy Produced (kWh) | Total Run Hours | Run Hours | Number Of Starts | Fuel Level |
|------------|--------------------|-----------------------|-----------------|-----------|------------------|------------|
| 01-11-2020 | 353 | 0 | 47.6 | 0 | 0 | NA |
| 02-11-2020 | 353 | 0 | 47.6 | 0 | 0 | NA |
| 03-11-2020 | 355 | 2 | 47.9 | 0.3 | 1 | NA |
| 04-11-2020 | 355 | 0 | 48 | 0.1 | 3 | NA |
| 05-11-2020 | 355 | 0 | 48 | 0 | 0 | NA |
| 06-11-2020 | 355 | 0 | 48.3 | 0.3 | 1 | NA |
| 07-11-2020 | 355 | 0 | 48.3 | 0 | 1 | NA |

REPORTS | XLS/PDF

Asset specific report shall be generated for upto 7 days. Report consists of following data

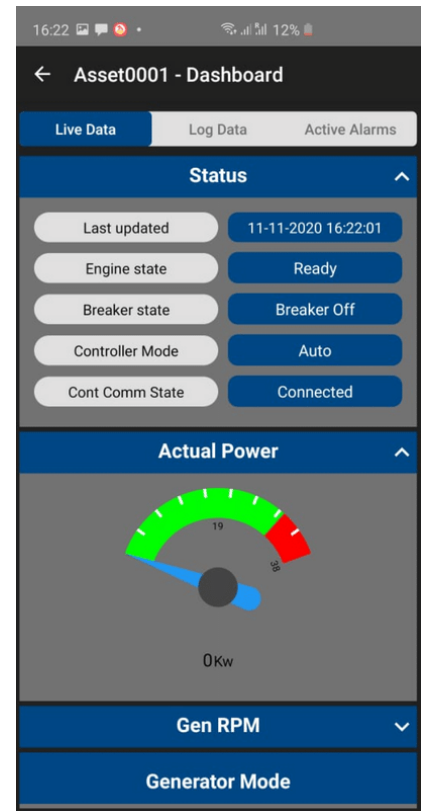
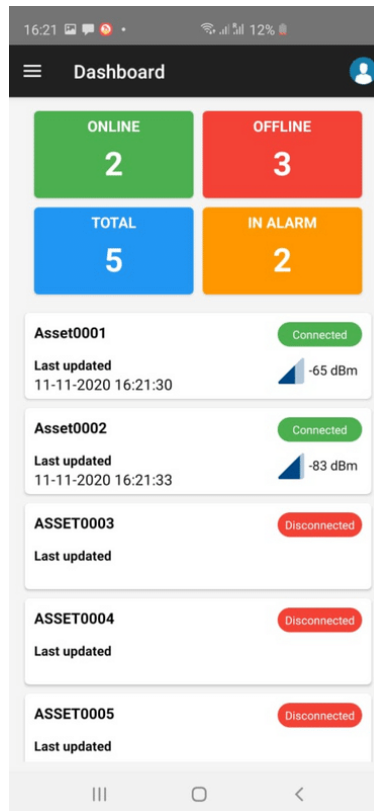
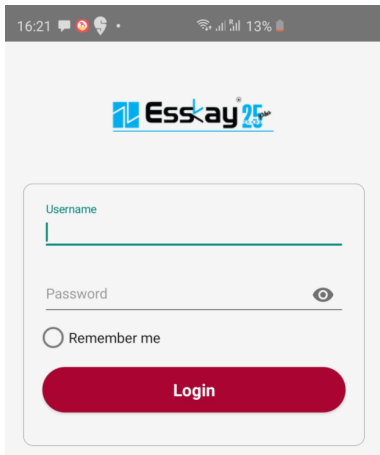
Energy produced
Running hours
Fule level

ANDROID MOBILE APP SUPPORT

Live Monitoring

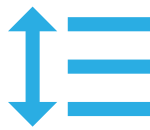
Alarm push notification

Remote operation/control



SECURED

X.508 Certificate based authentication mutual authentication and encryption at both Server and IOT device



SCALABLE

Supports upto 1000 Assets per user as it is fully scalable architecture



ON CLOUD

No need of hardware or software installation as the entire infrastructure is managed by us over cloud



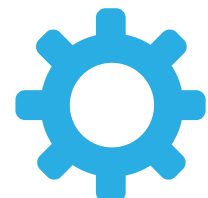
OVER THE AIR

IOT device supports over the air update. No need of offline update anymore!



BACKUP

Device logs the data locally in the SD card in absence of cellular network



EASY INSTALL

Device registration shall be done on the site though online device management