



TRINETRA Wireless

Empowering IoT Solutions



User Manual *ver. 1.0*

Developed By



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About this User Manual

Logging In

1. The application would start with the login screen.
2. Enter your **Username and Password**
3. Click **Enter** to begin your Trinetra session.

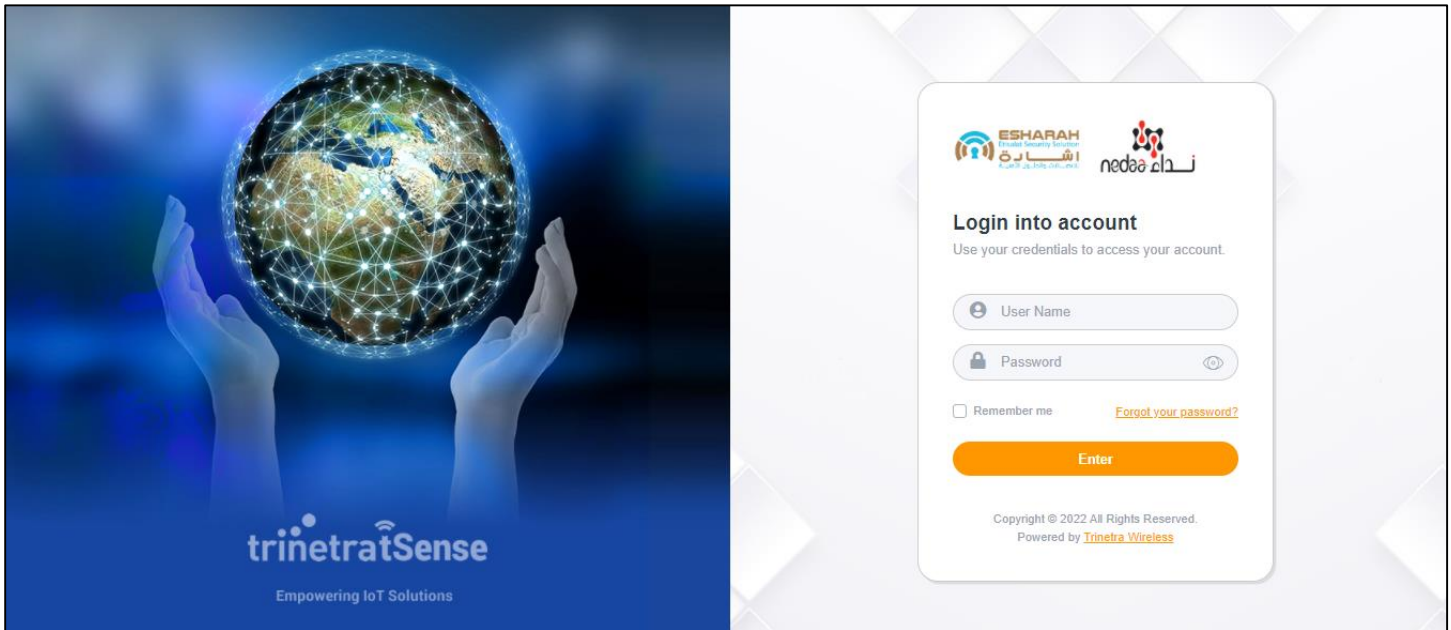


Fig: Login Screen

4. Clicking the 'Forgot your password?' link will redirect the user to the password retrieval screen. Here the user needs to enter the User Name and click the **Submit** button. The password will be mailed to the user's email address. Clicking the **Cancel** button in the password retrieval screen will return the user back to Login screen.

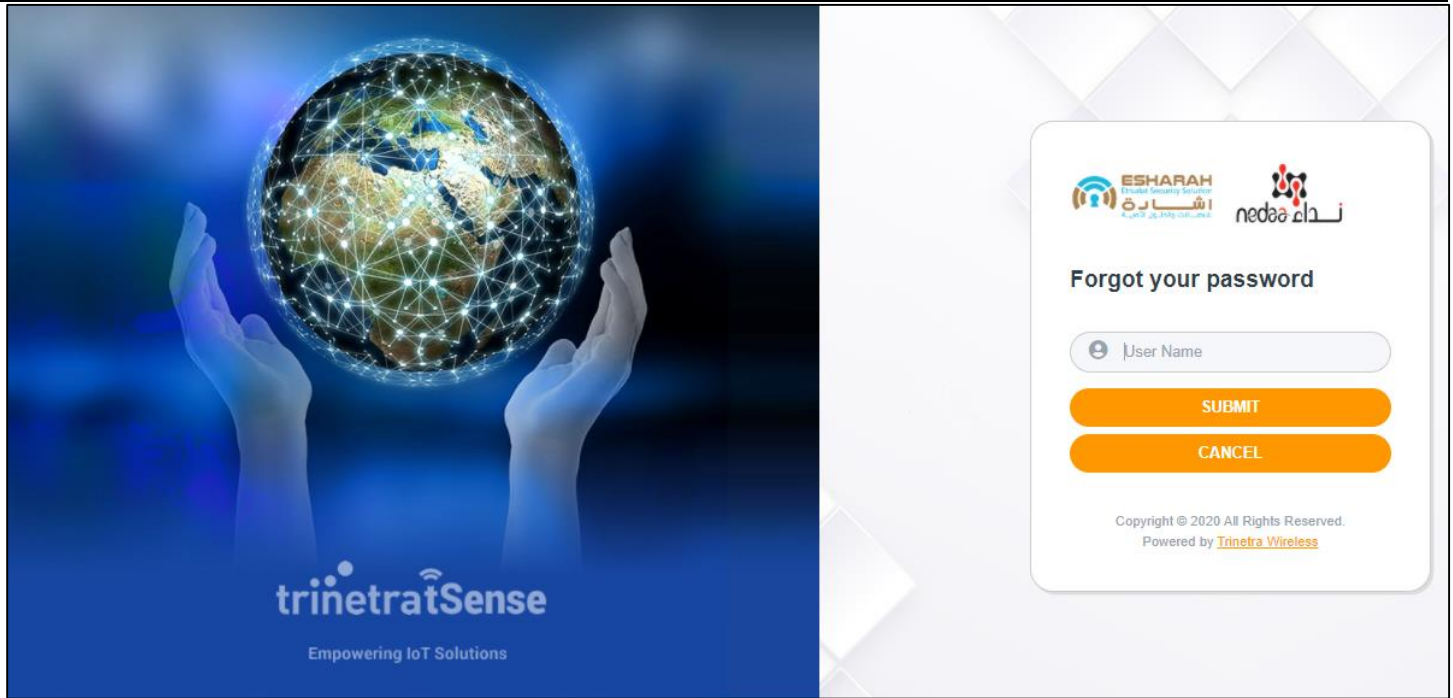


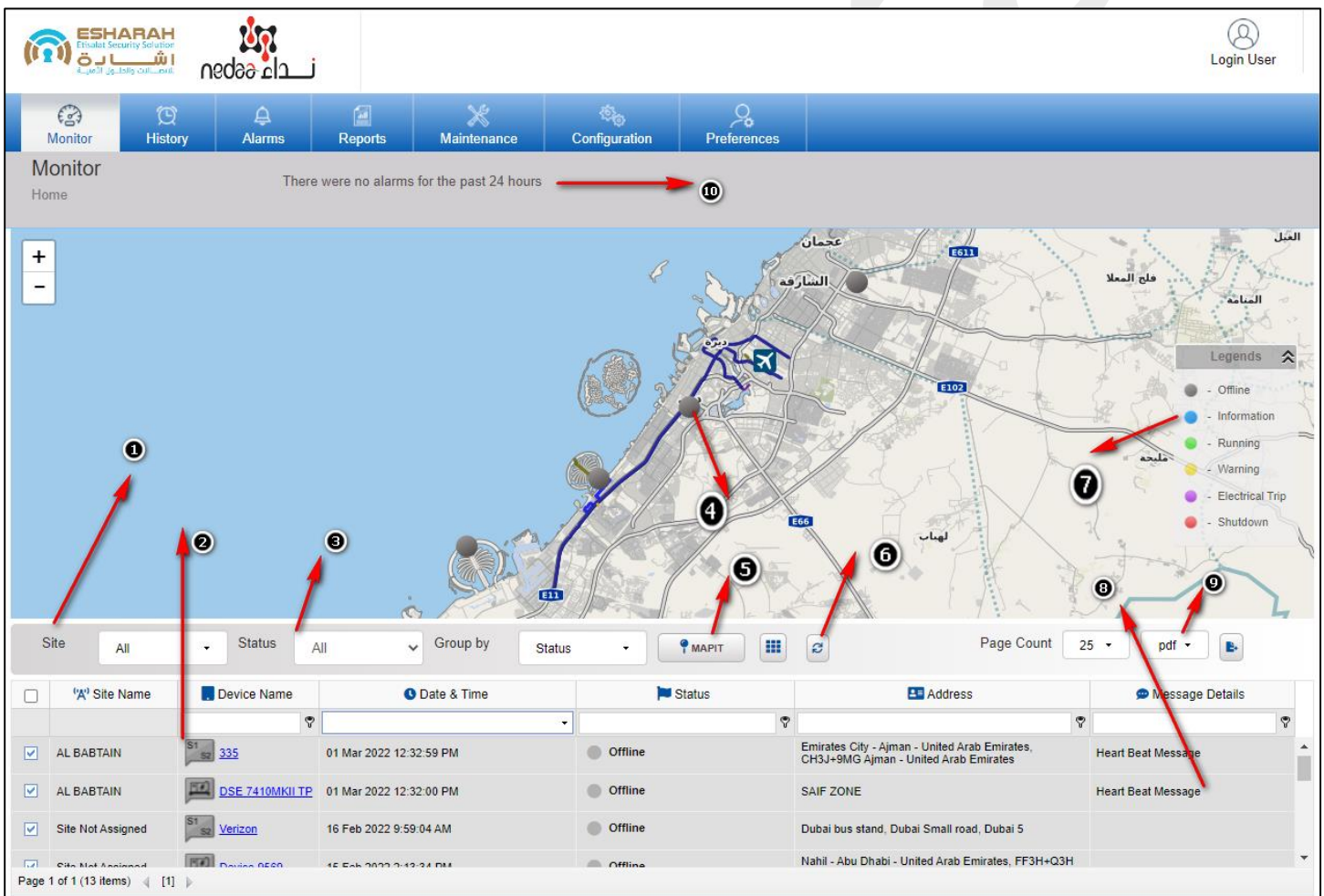
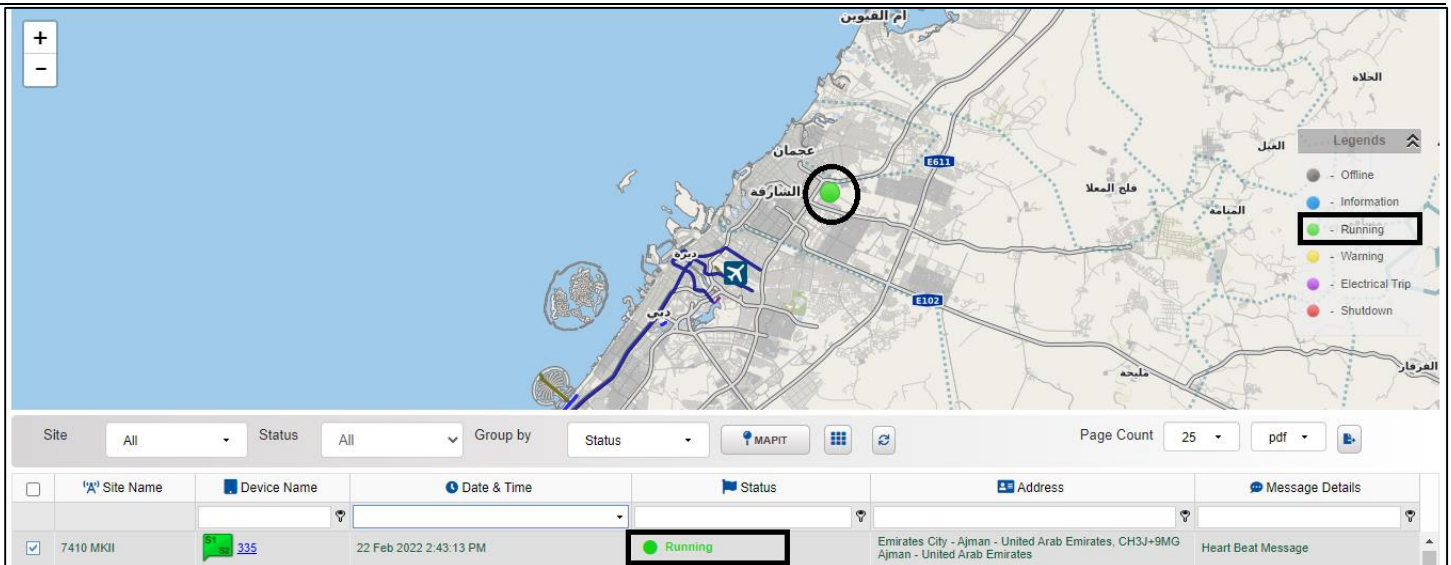
Fig: Password Retrieval screen

Overview of Functions

1. Monitor

This module is used to provide the recent report time, status of each units and user can view based on each sites.

- Acts as a web-based centralized monitoring center for viewing all the units, which is assigned to the respective users.
- Displays the warning and critical alarm generated in the last 24 hours (w.r.t real time) and only top 25 alarms with status indication on top of map layout with scrolling.
- User can also choose the site name in the drop down to check the individual unit status.
- Option to export the listed data to PDF and Excel.
- Privilege users only can access this module.
- Online or offline status will be indicated.
- Grid will have list of devices assigned to the particular user and the Monitor will show list of device in a single screen at a time.
- Offline maps provides the device last reported location with the icon mapped on it.
- User can filter the device – status wise.



Here the above image will give you the information based on the current / last received parameter values. The above gadgets might not be the exact one based on the tool availability it may change based on the device customization

The following options are available in the page:

- Site:** User can able to filter the sites, to view the list of the devices allocated under the site.

2. **Device name:** User need to click on the device name to view its SLD chart and parameters.
3. **Status:** User can select the list of the status in the dropdown to view the collection of same status device details.
4. **Legends and icons in map:** Offline map shows the latest device status in the map.
5. **Map-IT:** Select the device using the checkbox and clicking on the MapIt will show the device in the map.
6. **Refresh:** User can access the refresh button to view the latest data.
7. **Legends:** User can able to view the legends as per the latest data.
8. **Message details:** User can able to view the appropriate message details in that column.
9. **Export:** User can able to view the data on PDF & Excel format.
10. **Scrolling:** Latest alarms from the device will be reflected on the scrolling on monitor screen.

Auto Refresh

The data in the map and in the grid will be automatically refreshed, through auto refresh, to display the updated details of the Device. The auto refresh will happen in a user-selected time interval. The time for the auto refresh will be selected in a preferences module in the application.

Scrolling Alarms –The alarms that are generated in all the Device, in the last 24 hours and top 24 alarms, will be displayed in a scrolling above. The user will have the option to view the details of the alarm. The alarm will be closed automatically.

Important Note:

1. Origin date & time field is displayed whatever received the date time (i.e. UTC time) from Device. Time zone conversion is will be applied in this field in front end based on the preference settings
2. The above Monitor contains list of devices with latest data, upon clicking on the device link it will redirect to the dashboard or graphical view
3. User need to click on the device name in the monitor data grid to view the SLD chart for the particular site.

Site	All	Status	All	Group by	Status	MAPIT	Page Count	25	pdf
Site Name	Device Name	Date & Time	Status	Address	Message Details				
☒	7410 MKII	 335	22 Feb 2022 2:38:43 PM	Running	Emirates City - Ajman - United Arab Emirates, CH3J+9MG Ajman - United Arab Emirates	Heart Beat Message			
☒	7410 MKII	 DSE 7410MKII TP	22 Feb 2022 2:37:30 PM	Information	SAIF ZONE	Heart Beat Message			
☒	DSE 335	 Verizon	16 Feb 2022 9:59:04 AM	Offline	Dubai bus stand, Dubai Small road, Dubai 5				
☒	DSE 335	 Verizon	16 Feb 2022 9:59:04 AM	Offline	Nahil - Abu Dhabi - United Arab Emirates, FF3H+Q3H				

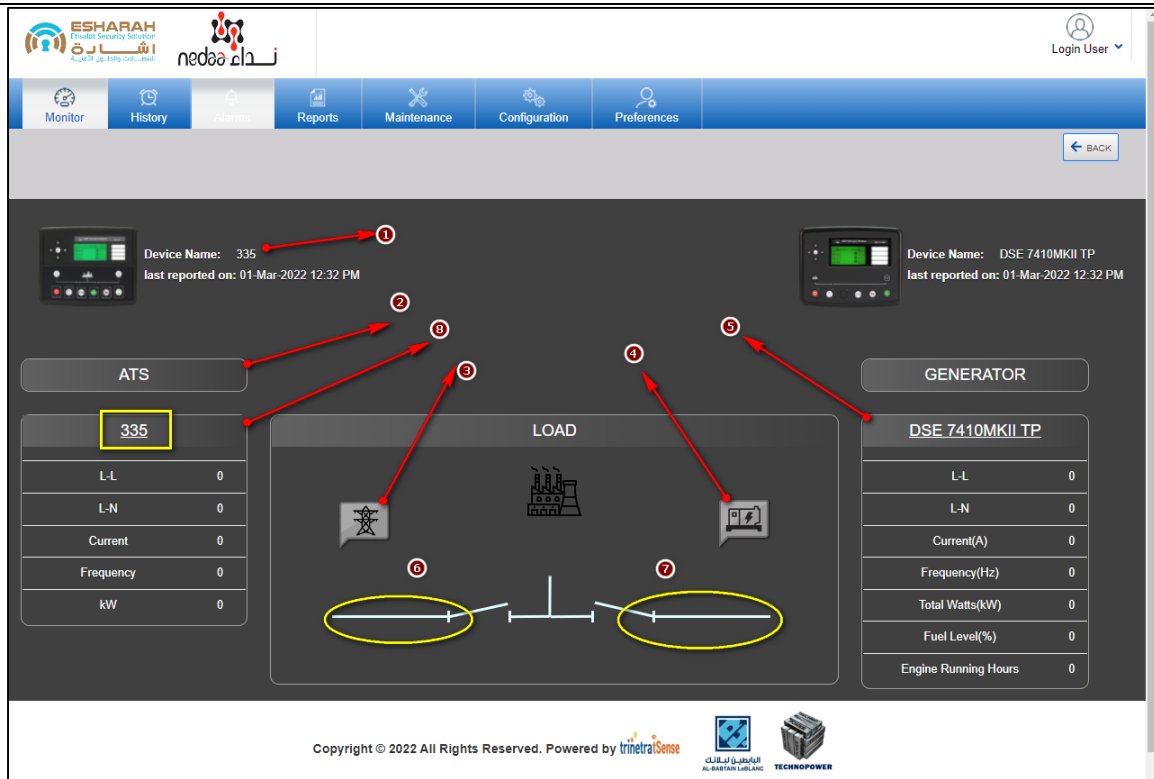


Fig: SLD diagram – Particular site.

1. **Device name:** The name shows – 335 indicates the device and connection from the Main power and parameters.
2. **ATS:** It is the type of the controller.
3. **Main power Icon:** It will be in green color, if the power transferred from the main transformer.
4. **Generator power icon:** It will in green color, if the power transferred from the generator.
5. **Generator parameters:** The name shows – DSE 7410MKII TP indicate the parameters from the generator.
6. 6 and 7 Indicates the flat line for the connection made either from main or generator.

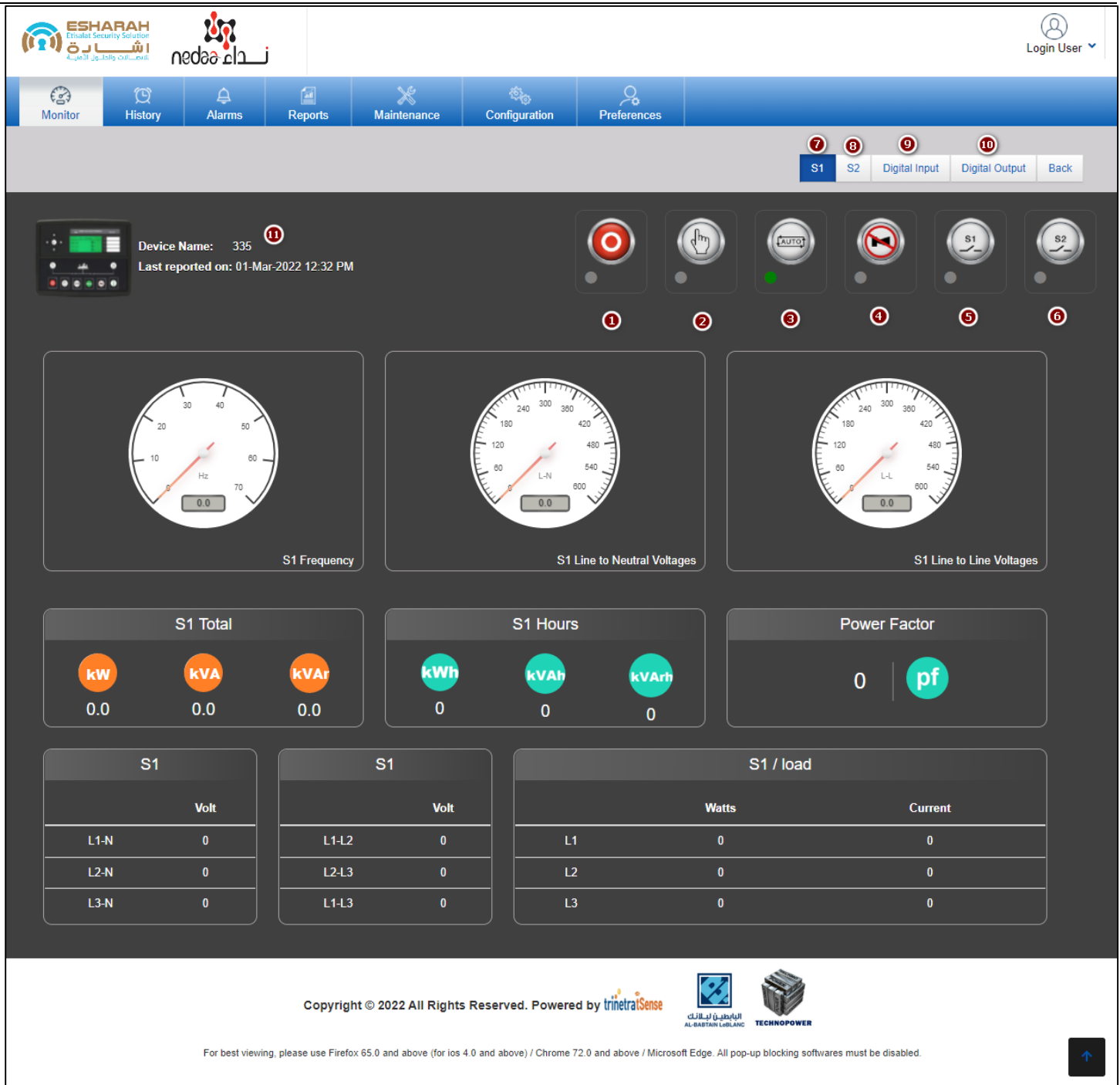


Fig: Dashboard chart – Particular site – main power.

1. Stop switch
2. Manual switch
3. Auto switch
4. Mute Switch
5. S1 Open/Close

6. S2 Open/Close
7. S1 parameters
8. S2 parameters
9. Digital input parameters
10. Digital output parameters.
11. Device basic details.

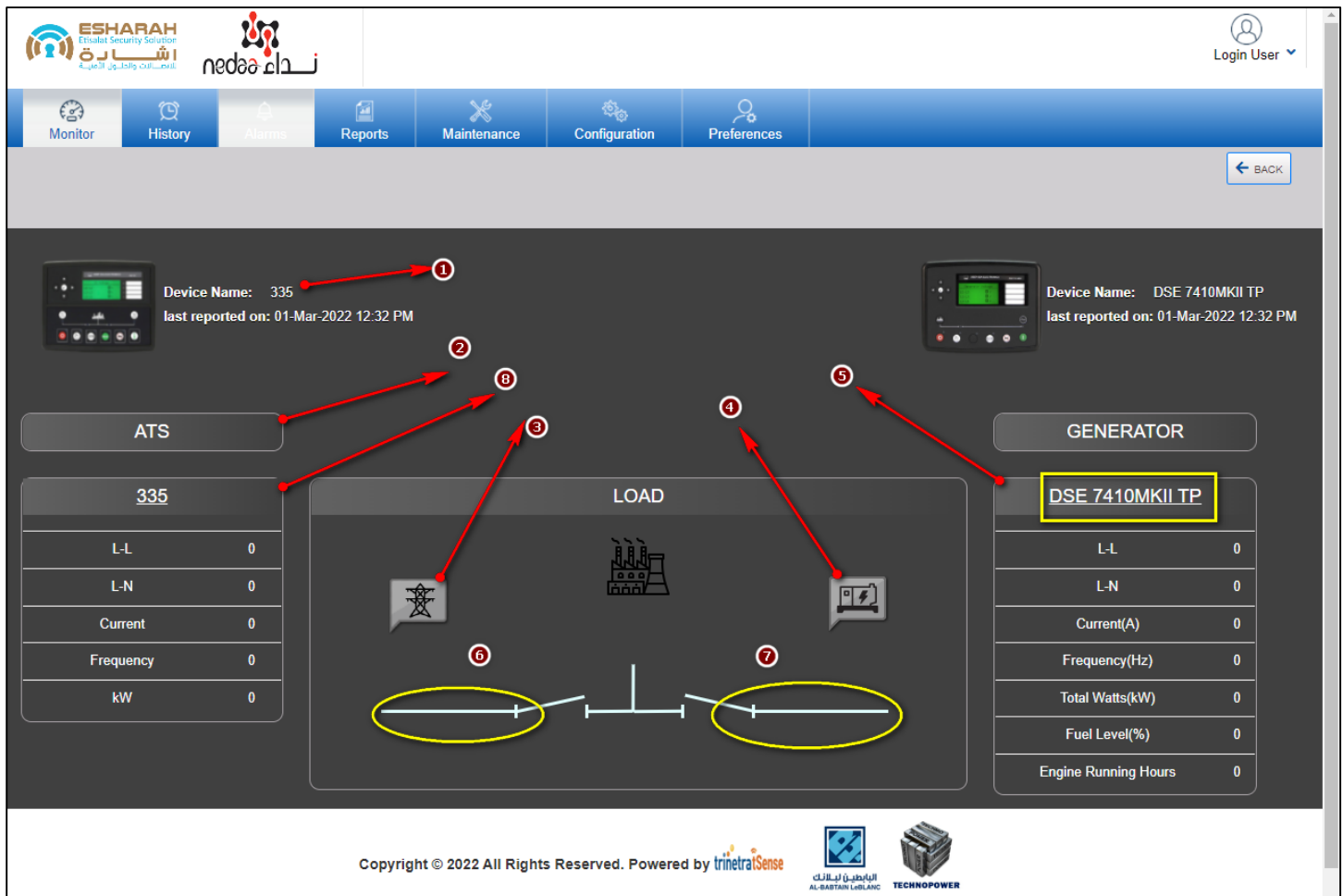


Fig: SLD diagram – Particular site – Generator

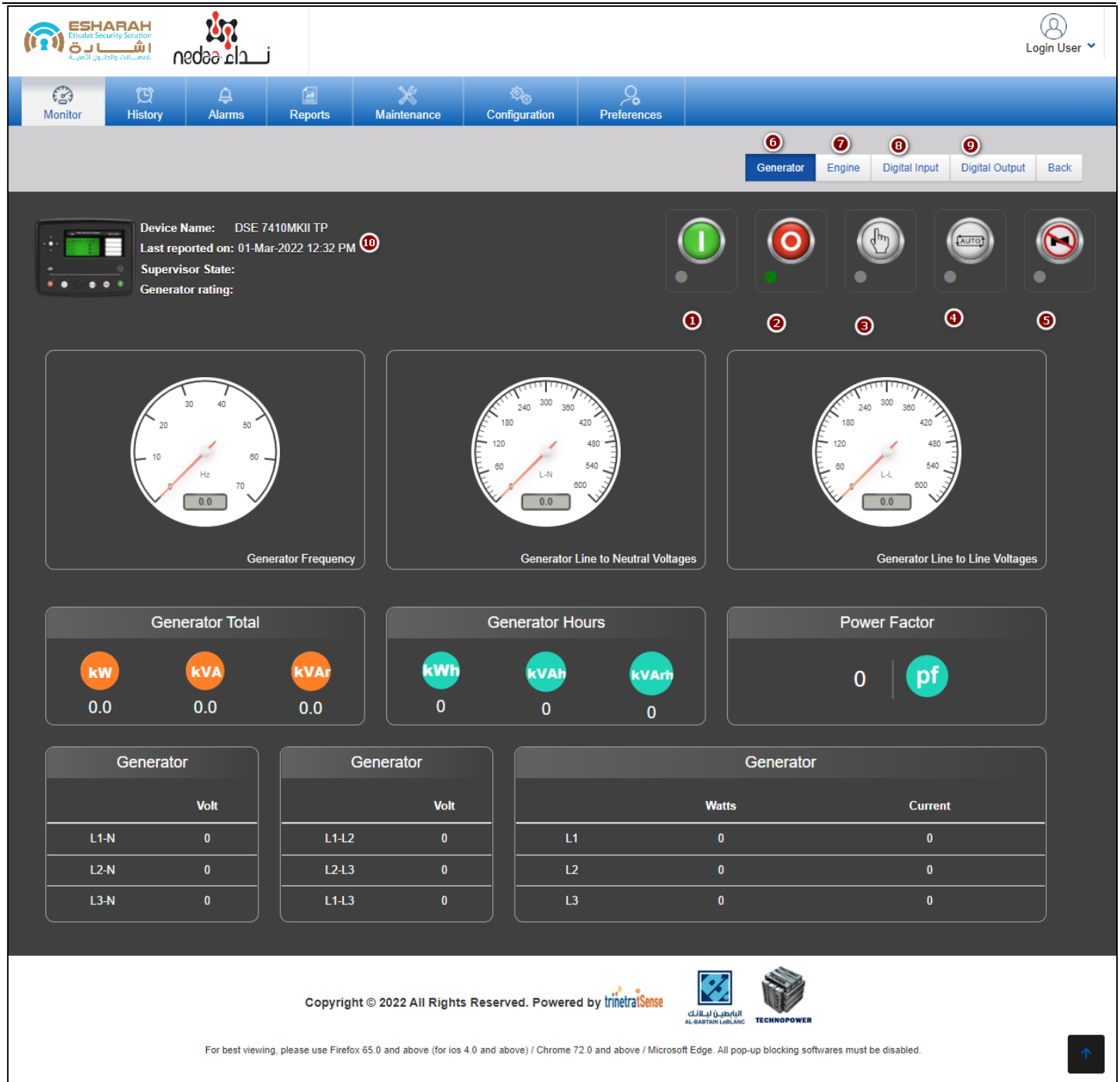


Fig: Dashboard chart – Particular site – Generator power.

1. Start Switch
2. Stop Switch
3. Manual switch
4. Auto switch
5. Mute
6. Generator

7. Engine
8. Digital input
9. Digital output.
10. Device name, Last reported on, Supervisor state and Generator rating.

2. History

- View the entire device details for the selected duration in grid.
- User can select the site name, Device name and the date range to view the details of the particular device.
- Here the details denotes the parameters like Engine speed, Engine Run time, Generator watts, Generator current, Voltage specific messages can be filtered easily using textbox preference search.
- Maximum of 3 days to last 6 month history can be generated.
- Can export the generated history data in Excel.

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نظام مراقبة

Monitor History Alarms Reports Maintenance Configuration Preferences

Site Device From To

All DSE 7410MKII TP 16-Feb-2022 10:38 AM 18-Mar-2022 10:38 AM

EXPORT

Device Name	Date & Time	Generator Average Power Factor	Generator Watts (W)			Generator Current			VOLTAGE (V)					
			L1	L2	L3	L1	L2	L3	L1-N	L2-N	L3-N	L1-L2	L2-L3	L1-L3
DSE 7410MKII TP	18 Feb 2022 3:34:18 PM	0	0	0	0	0	0	0	245.8	247	247.4	427.2	428.5	426.4
DSE 7410MKII TP	18 Feb 2022 3:34:03 PM	0	0	0	0	0	0	0	245.4	246.8	247.4	427.2	428.5	426.4
DSE 7410MKII TP	18 Feb 2022 3:33:48 PM	0	0	0	0	0	0	0	245.8	247	247.2	427	428.3	426.4
DSE 7410MKII TP	18 Feb 2022 3:33:33 PM	0	0	0	0	0	0	0	245.7	247.2	247.2	427.2	428.5	426.4
DSE 7410MKII TP	18 Feb 2022 3:33:18 PM	0	0	0	0	0	0	0	245.8	247	247.2	427.2	428.5	426.4
DSE 7410MKII TP	18 Feb 2022 3:33:03 PM	0	0	0	0	0	0	0	245.9	246.7	246.9	427	428.5	426.4
DSE 7410MKII TP	18 Feb 2022 3:32:48 PM	0	0	0	0	0	0	0	245.7	246.9	247.1	427	428.3	426.2
DSE 7410MKII TP	18 Feb 2022 3:32:33 PM	0	0	0	0	0	0	0	245.8	247.1	247.2	427.2	428.4	426.4
DSE 7410MKII TP	18 Feb 2022 3:32:18 PM	0	0	0	0	0	0	0	246	246.8	247.4	427.2	428.4	426.4
DSE 7410MKII TP	18 Feb 2022 3:32:03 PM	0	0	0	0	0	0	0	245.9	247.1	247.3	427.2	428.6	426.6
DSE 7410MKII TP	18 Feb 2022 3:31:48 PM	0	0	0	0	0	0	0	245.7	247	247.1	427	428.2	426.2
DSE 7410MKII TP	18 Feb 2022 3:31:33 PM	0	0	0	0	0	0	0	245.8	246.6	247.2	427	428.2	426.2
DSE 7410MKII TP	18 Feb 2022 3:31:18 PM	0	0	0	0	0	0	0	245.8	247.1	247.2	427.1	428.4	426.4
DSE 7410MKII TP	18 Feb 2022 3:31:03 PM	0	0	0	0	0	0	0	245.9	247.1	247.2	427.1	428.4	426.4
DSE 7410MKII TP	18 Feb 2022 3:30:48 PM	0	0	0	0	0	0	0	245.7	246.6	247.1	426.9	428.2	426.2
DSE 7410MKII TP	18 Feb 2022 3:30:33 PM	0	0	0	0	0	0	0	245.9	247	246.7	426.9	428.2	426.2
DSE 7410MKII TP	18 Feb 2022 3:30:18 PM	0	0	0	0	0	0	0	245.8	246.9	247.1	427	428.2	426.4
DSE 7410MKII TP	18 Feb 2022 3:29:48 PM	0	0	0	0	0	0	0	245.8	247.1	247.1	427.2	428.4	426.4
DSE 7410MKII TP	18 Feb 2022 3:29:33 PM	0	0	0	0	0	0	0	246	247.1	247.1	427.2	428.4	426.4
DSE 7410MKII TP	18 Feb 2022 3:29:18 PM	0	0	0	0	0	0	0	245.7	247	247	427	428.2	426.2
DSE 7410MKII TP	18 Feb 2022 3:29:03 PM	0	0	0	0	0	0	0	245.7	246.8	247	426.8	428	426
DSE 7410MKII TP	18 Feb 2022 3:28:48 PM	0	0	0	0	0	0	0	245.6	246	247	426.6	427.8	426

Page 9 of 9 (890 items) 1 2 3 4 5 6 7 8 [9]

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Fig: Device details

1. Site selection.
2. Device selection.
3. From date selection.
4. To date selection.
5. Search option to filter the data.
6. Export the data in excel file.

Below listed fields are shown only in data grid of history page.

Important Note:

- Origin date & time field is displayed whatever received the date time (i.e. UTC time) from Device. Time zone conversion is will be applied in this field in front end based on the preference settings
- Currently all parameters will be displayed in the grid view.[As per the device configuration]
- History data will be shown only for single device at a time.
- Parameters might vary based on the device selection.

3. Alarms

The alarms are the important features of the system. In this section, the alarms triggered by specific device and the appropriate actions taken are managed.

Alarm Filters

The Alarms module will have filters to view the alarms. The user has to select the site and Device for which the alarms are to be displayed. By default, these fields will have the 'All' option, meaning the alarms of all the Device will be displayed. The user also has to select the severity, like Warning or Critical to view the alarms.

- Provides the list of open alerts upon navigating to the alarm page.
- Generated alarms will closed automatically.
- The list of alerts has the details like Status (Device Name, Date / time, Severity and Details).

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Login User

Monitor History Alarms Reports Maintenance Configuration Preferences

Alarms
Home > Alarms

Site: All Devices: All Severity: All

Status: All From: 03-Mar-2022 10:48 AM To: 04-Mar-2022 10:48 AM

LEGENDS pdf EXPORT

Gateway ID	Device ID / Name	Date Time	Alarm Description	Closed On
1722948217813	DSE 7410MKII TP	28 Feb 2022 9:28:45 AM	Fail To Start	01 Mar 2022 12:32:00 PM
1722948217813	335	22 Feb 2022 6:36:43 PM	S1_Failure_Unlatched	01 Mar 2022 12:32:59 PM
1722948217813	335	22 Feb 2022 11:02:43 AM	S2_Failure_Unlatched	01 Mar 2022 12:32:59 PM
1722948217813	DSE 7410MKII TP	22 Feb 2022 11:02:27 AM	Generator Under Volts	01 Mar 2022 12:32:00 PM
1722948217813	335	22 Feb 2022 11:00:58 AM	S1_Failure_Unlatched	01 Mar 2022 12:32:59 PM
1722948217813	335	22 Feb 2022 10:58:13 AM	S1_Failure_Unlatched	01 Mar 2022 12:32:59 PM
1722948217813	335	22 Feb 2022 10:57:13 AM	S1_Failure_Unlatched	01 Mar 2022 12:32:59 PM
1722948217813	DSE 7410MKII TP	22 Feb 2022 9:49:30 AM	Fail To Start	01 Mar 2022 12:32:00 PM

Page 1 of 59 (878 items) [1] 2 3 4 5 6 7 ... 57 58 59

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Fig: Alarms Screen

1. Site
2. Status
3. Device
4. From date selection
5. Severity selection
6. To date selection.
7. Search update.
8. Export option (PDF, XLS & XLSX).
9. Legends (Will shows you status of the alarm).
10. Alarm description.

Icon Indications in the Alert screen:

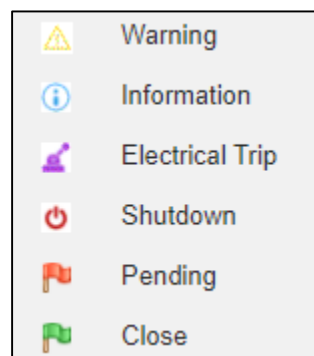


Fig: Legends which indicates the icons

Important Notes

As default severity of all the alarms are assigned as critical. It can be changed from backend based on the client inputs. Client can give the details for which alarm is respect to which severity (critical, warning) that will be configured by Trinetra client cannot be changed the severity manually as of now.

4. Reports

The screenshot displays the 'Reports' section of the Trinetra Wireless IoT management interface. The top navigation bar includes links for Monitor, History, Alarms, Reports (active), Maintenance, Configuration, and Preferences. The 'Reports' section is titled 'Reports' with a breadcrumb 'Home > Reports'. Below the title, there is a 'Report Type' dropdown menu set to 'Alarms'. A 'Report Description' box explains that the report provides information about alarms generated in selected devices over a specified time duration, allowing users to view details, filter by severity, and schedule automatic email reports. The 'Site & Device' section includes dropdowns for 'Site' (set to 'All'), 'Device Type' (set to 'DSE 7410 MKII'), and a text input for 'Device Name' (set to 'All'). The 'Alarm Filters' section includes dropdowns for 'Severity' (set to 'All') and 'Status' (set to 'All'). The 'From' and 'To' date range is set from '03-Mar-2022 10:55 AM' to '04-Mar-2022 10:55 AM'. The 'Sort By' dropdown is set to 'Origin Date Time' and the 'Sort Direction' is set to 'Ascending'. The 'Export To' dropdown is set to 'PDF' and the 'Paper Size' is set to 'Default'. At the bottom right, there are buttons for 'SHOW REPORT' and 'SEND EMAIL'. The footer contains copyright information for 2022, powered by trinetraSense, and a note about browser requirements.

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Login User

Monitor History Alarms Reports Maintenance Configuration Preferences

Reports
Home > Reports

Report Type
Alarms

Report Description
Alarms report gives you information about the alarms that were generated in the selected devices between time duration. The user can view the alarms details and closed on date & time along with reason and corrective actions if any. Also it gives you the summary of alarms generated based on the severity and devices. The users can choose the details like the current Status of alarms, Severity. The user can select the email recipients for the report and also Schedule the report to receive automatic e-mails, in PDF or Excel formats, for a user-specified duration.

Site & Device
Site: All Device Type: DSE 7410 MKII Device Name: All

Alarm Filters
Severity: All Status: All

From: 03-Mar-2022 10:55 AM To: 04-Mar-2022 10:55 AM

Sort By: Origin Date Time Sort Direction: Ascending

Export To: PDF Paper Size: Default

SHOW REPORT SEND EMAIL

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Fig: Reports screen

Report module will give you the summarized data as a report in the PDF, Excel formats. User can generate the reports based on the given filters.

Provides various extensive reports based on the criteria specified

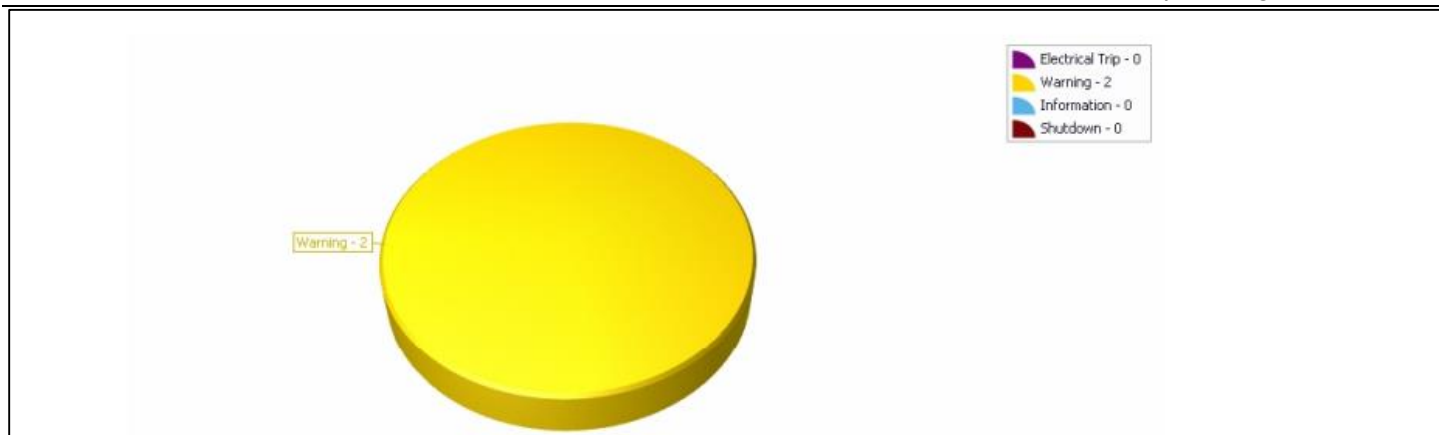
1. Report Type.
2. Site selection.
3. Device selection.
4. Device name selection.
5. Alarms filters
6. Status selection.
7. From and to date selection.
8. Sort by.
9. Export options. (PDF & Excel).
10. Show report and Send mail option.

Alarms – Alarms report gives you information about the alarms that were generated in the selected time duration. The users can choose the details like the Status of alarms, Severity and Location. The user can select the email recipients for the report in PDF and Excel, for a user-specified duration.

Features

- The reports provide a summary of the data will be available wherever applicable.
- Provision to change paper size of the reports exporting in pdf format.
- The sorting of the information can be customized.
- Option to export the report data to PDF, Excel and Word.

 		Alarm Details	
Site : All		From : 14 Feb 2022 2:54:00 PM	To : 19 Feb 2022 2:54:00 PM
Device Name : 335			
Report Summary			
Alarm Summary :	New Alarms	Closed Alarms	Total
Information	0	0	0
Warning	0	2	2
Electrical Trip	0	0	0
Total Alarms	0	2	2



Alarm Level	Date & Time	Description	Closed On
Warning	18 Feb 2022 3:23:19 PM	S1_Failure_Unlatched	22 Feb 2022 1:24:13 PM
Warning	18 Feb 2022 4:06:49 PM	S1_Failure_Unlatched	22 Feb 2022 1:24:13 PM

Fig: Alarms report

Report 2 – Maintenance history:

This Service History report provides you with the details of the maintenance services that has been carried out for the devices as per the Maintenance Plan(s). A device will be listed under the Service History only when all the assigned services are either completed or skipped. You can select and view the data of either a single fleet, all the fleets, a single Device or all the Devices of a fleet. Applying the Service History filters like Plan Name, Service Type, Status of the plan, Maintenance Type and Duration, can help you to narrow down the results to one Device or a group of Devices. Service History report can be sent through e-mail to various registered users of the organization. You can also schedule the Service History report to automatically receive the summary of Devices that has completed the scheduled maintenance service, between the user-specified times, in PDF, Excel formats.

In addition as per the request the value of particular parameters will be displayed before and after the service values and due date of the service. Report format will be as per the Trinetra standards which is shared through the email.

Sample report-



GPS Vehicle Tracking & Fleet Management Solutions

Maintenance Service History

Fleet : India		Vehicle : All		From : 04/22/13 8:00:00 AM		To : 04/23/13 8:00:00 PM	
Vehicle Name : RF-TN		VIN :		License Plate :			
Maintenance Summary							
Type	No. of Maintenances	Skipped Services	Completed Services	Planned Cost	Cost Incurred	Cost Deviation (%)	
Planned	1	0	1	220.00	151.00	-	
Adhoc	0	N/A	N/A	N/A	0.00	-	
Total	1	0	1	220.00	151.00	-	

Maintenance	Plan Name	Service Type	Services Planned	Services Done	Execution On	Planned Cost	Cost Incurred	Status
Planned	Weekly Services	Time Based	Air Check, Exhaust Cleaning, Water Wash	Air Check, Exhaust Cleaning	04/23/13	220.00	151.00	Completed

The term vehicle will be replaced as device.

Report 3 – Engine hours report:

Engine hours report provides you with the details like run hours on the selected duration.



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Engine Hours

Site : All

From : 14 Feb 2022 11:29:00 AM

To : 19 Feb 2022 11:29:00 AM

Device Name : DSE 7410MKII TP

Gateway Id	Device Name	Engine Hours Run
1722948217813	DSE 7410MKII TP	111:50:05
1722948217813	DSE 7410MKII TP	111:50:19
1722948217813	DSE 7410MKII TP	111:51:04
1722948217813	DSE 7410MKII TP	111:51:18
1722948217813	DSE 7410MKII TP	111:51:36
1722948217813	DSE 7410MKII TP	111:51:49
1722948217813	DSE 7410MKII TP	111:52:03
1722948217813	DSE 7410MKII TP	111:52:20

Report 4 – Instruments report:

This report provides the user to elaborate the list of instruments enhanced along with the device and the site. The main motive of this report is to show the instruments parameters.




Instrument Report

Site : All

From : 15 Feb 2022 10:54:00 AM

To : 19 Feb 2022 10:54:00 AM

Device Name : DSE 7410MKII TP

Date	Batt Volt	Chrg Alternator	FuelLevel	Gen L1 Current	Gen L1 VA
2/18/2022 3:18:33 PM	12.50	10.80	0	0	0
2/18/2022 3:18:48 PM	12.50	10.80	0	0	0
2/18/2022 3:19:03 PM	12.50	10.90	0	0	0
2/18/2022 3:19:18 PM	12.50	10.90	0	0	0
2/18/2022 3:19:33 PM	12.40	10.80	0	0	0
2/18/2022 3:20:18 PM	12.50	10.90	0	0	0
2/18/2022 3:20:33 PM	12.50	10.90	0	0	0
2/18/2022 3:20:48 PM	12.40	10.90	0	0	0
2/18/2022 3:21:03 PM	12.40	10.90	0	0	0
2/18/2022 3:21:18 PM	12.50	10.90	0	0	0
2/18/2022 3:21:33 PM	12.50	10.90	0	0	0

Generated on: gopal - 22 Feb 2022 1:26:06 PM

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User can select up to 5 parameters in the list to take the report.

5. Maintenance



Login User

Monitor
History
Alarms
Reports
Maintenance
Configuration
Preferences

Maintenance

Home > Maintenance

Maintenance Panel

Manage Maintenance Services

View Maintenance Services

1

Maintenance Service

2

Maintenance Plan

3

Plan Assignment

4

Nearing Maintenance

5

Service Call log

6

Service History

Fig: Maintenance screen

Maintenance module provides you the detailed information about the device and its maintenance.

Following are the steps to access the maintenance module.

- Maintenance Service type details and creation. (Adhoc services if required)
- Maintenance plan creation and details.
- Plan Assignment.
- Nearing Maintenance.
- Service call log (Unplanned services for the generator / machines)
- Service history

Maintenance Service Creation

Maintenance Service Creation allows the user to create the required Device maintenance services and this will be the master. The Maintenance Service can also be categorized based on the user requirement like General Services, Component Based Services, etc., and this can be done by creating the service category and assigning the services to the service category. The maintenance service can be assigned to multiple categories.

- Service package was one of the additional feature to be utilized.
 - User can create new “Maintenance Service” separately.
 - After creating the maintenance service – Click on the Service page (Which includes group of the services).

Maintenance

Home > Maintenance > Maintenance Service

MAINTENANCE PLAN BACK TO MAINTENANCE

Manage Maintenance Service

Maintenance Service Name

Description

Required fields

SAVE CANCEL

Maintenance Service Assignment

Service Package - Select - +

Required fields

ASSIGN CLOSE

Fig: Maintenance service creation screen

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Monitor History Alarms Reports Maintenance Configuration Preferences

Maintenance
Home > Maintenance > Maintenance Plan

+ CREATE PLAN PLAN ASSIGNMENT MAINTENANCE SERVICE BACK TO MAINTENANCE

Manage Maintenance Plan

Plan Name Description Recurring Service

Overdue Reminder Interval (days)

Maintenance Plan Details Service Details Notification Settings

Service Type Service Interval Days

Reminder 1 Reminder 2 Reminder 3

+ ADD TO PLAN

Required fields

Time based

Can able to select - days/months/years

Number of days/months/years

SAVE CANCEL

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Fig: Maintenance plan creation screen

1. Create plan button to navigate to it.
2. Plan name as per the requirement
3. Overdue reminder – If the plan created 30days and it was completed. So user can enter the number of days to get a reminder.
4. Description for the same.
5. Recurring. – Either the created plan needs to be allocated for month/quarter as per the intervals.
6. Maintenance plan details.
 - a. Service type (Time based)
 - b. Set interval (Number of days/months/weeks)
 - c. Reminder to get a mail notification.
7. Service details.

Maintenance Plan Details **Service Details** Notification Settings

☐	Service Name	Service Package	Planned Cost
☐	All Bearing Greasing 1	6 months, 1 month	0 2
☐	All Compactors Cleaning	1 day	
☐	All Gear Box Oil Change	General, 6 months	
☐	All Gear Box Oil Checking	General, 15 Days	
☐	All Motor Belt Tension Checking	1 month	

Page 1 of 3 (15 items) [1] 2 3

VAT(%) 3

4 CALCULATE COST

Total Planned Cost 0

- Created service details will be list here to select.
- Cost for the services can be updated.
- User can update the tax related to the service created. (As per the standards).
- User can click on calculate to show the overall amount framed for services.

8. Notification settings.

Maintenance Plan Details Service Details **Notification Settings**

Unregistered Users are indicated in blue color. 2

Add Users to Notifications List

User Name	Group	Locked Status	☐ Email
Administrator	Security Admin	Unlocked	
anusha		Unlocked	☐ 1
Balaji	Techno Power	Unlocked	☐
rgraju		Unlocked	☐
hari	Techno Power	Unlocked	☐ wireless.com
trihidden	Security Admin	Unlocked	☐
Karthick2it	CustomerA	Unlocked	☐
gopal	Security Admin	Unlocked	☐ tech.com
Techno	Techno Power	Unlocked	☐
TechnoEngg	Techno Power	Unlocked	☐

Page 1 of 2 (14 items) [1] 2

3 ADD UNREGISTERED USERS

| Required fields

4 SAVE CANCEL

- Unregistered users mail will be displayed in blue color.
- User can select the unregistered users as well.
- User can create the unregistered mail.
- Click the save button will save the overall maintenance plan.

General features points.

- Maintenance Plan allows the user to capture the Maintenance Plan Details, Maintenance Service Details, Intended and Unregistered Users for Notifications, Recurring Plan or not and Overdue Reminder Interval.
- Maintenance Plan Details Tab allows the user to set the Notifications Percentage at 3 levels for each selected service type. By default, the Reminder 1 will be considered as 'Normal' severity, Reminder 2 as 'Warning' and Reminder 3 as 'Critical'. The Service Interval will be captured only when the plan is recurring.
- Service Details Tab allows the user to set the maintenance services & its budgeted cost which is common to selected service types like Running Hours and Time Based and can be grouped under a particular plan which is assigned to the required Device's.
- Provision for selecting the application and unregistered users by the users will be available for maintenance notifications. The user can also add un-registered users in this Notification Settings section.
- The Device's which are assigned to the plan will be shown in the separate tab in Edit & View Mode.
- The information captured in the Maintenance Plan like Recurring, Maintenance Plan Details, and Service details cannot be updated once it is assigned to Device and the plan is in the Device history.
- Maintenance Plan cannot be deleted once it is assigned to Device and the plan is in the Device history.

Now the user only able to create for the time based services.

For e.g., Plan 1 has service interval set as 30 days (22/02/2022). And the Plan 1 is assigned to Device 1 for which the last executed value is 20 days before (02/02/2022), recurring service is set as 'Yes' and if the Last Executed On is set as 20 days before, then the first schedule will take place on (02/03/2022) and consecutive schedules will take place on every 30days once.




Login User

Monitor
History
Alarms
Reports
Maintenance
Configuration
Preferences

Maintenance
Home > Maintenance > Device Plan Assignment
ASSIGN PLAN
MAINTENANCE PLAN
MAINTENANCE SERVICE

Vehicle Maintenance List

Site: All
Device: All
Plan: All
Status: All
Plan Type: All
SEARCH

Device Maintenance Details
pdf
EXPORT

Device Name	Plan Name	Active Status	Last Executed On (Time Based)
DSE 33501	TB 355	Active	N/A
DSE 335A1	TB 355	Active	N/A
DSE 335A1	Test Service	Active	N/A
DSE 335A1	TB New	Active	N/A
DSE 7410MKII 477315716271	TB New	Active	N/A
DSE 335A1	New TB 335	Active	N/A
DSE 7410MKII 477315716271	New TB 335	Inactive	N/A
DSE 33501	TB New	Active	N/A
DSE 7410MKII 477315716271	355 TB plan	Active	N/A
dse 335 A10	RH plan1	Inactive	N/A

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[1]

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Fig: Maintenance plan assignment screen

1. Assign plan – navigate the user to assign the created plan.
2. Active status – denotes to the number of active plans allocated to the device.
3. Export – User can export the data in terms of pdf/excel.

Maintenance Plan Assignment

Site: All Plan: 355 TB plan

Assigned Devices

Device Name	Active Status	Current Date	Due On Date
AA0051	Active	08 Mar 2022	21 Sep 2021
AA0051 - one	Active	08 Mar 2022	21 Sep 2021
AA0052 - two	Active	08 Mar 2022	21 Sep 2021
DSE 7410MKII 477315716271	Active	08 Mar 2022	05 Jul 2021

Page 1 of 1 (4 items)

UNASSIGN

Add Devices to plan

Device Name	Due On Date
335	
AA0053 -Three	
AA0054 -Four	
AA0055 -Five	
AA0056 - Six	

Page 1 of 6 (36 items)

ASSIGN

Fig: Maintenance plan assignment

- Search** – After filtering the plan from dropdown, user can click search to view the active plans allocated and unallocated devices.
- Binocular icon** – Upon clicking this icon, user can view the plan details in a separate popup.

Plan Details

Details of 355 TB plan

Services Applicable Primary and Secondary Filter, Test Entry

Recurring Plan No

Service Type	Reminder 1	Reminder 2	Reminder 3
Time Based	20%	60%	90%

CANCEL

- Active Status** – User can view list of the active plans allocated to the device.
- Checkbox** – User can click on the checkbox and able to unassigned the plan to that particular devices.

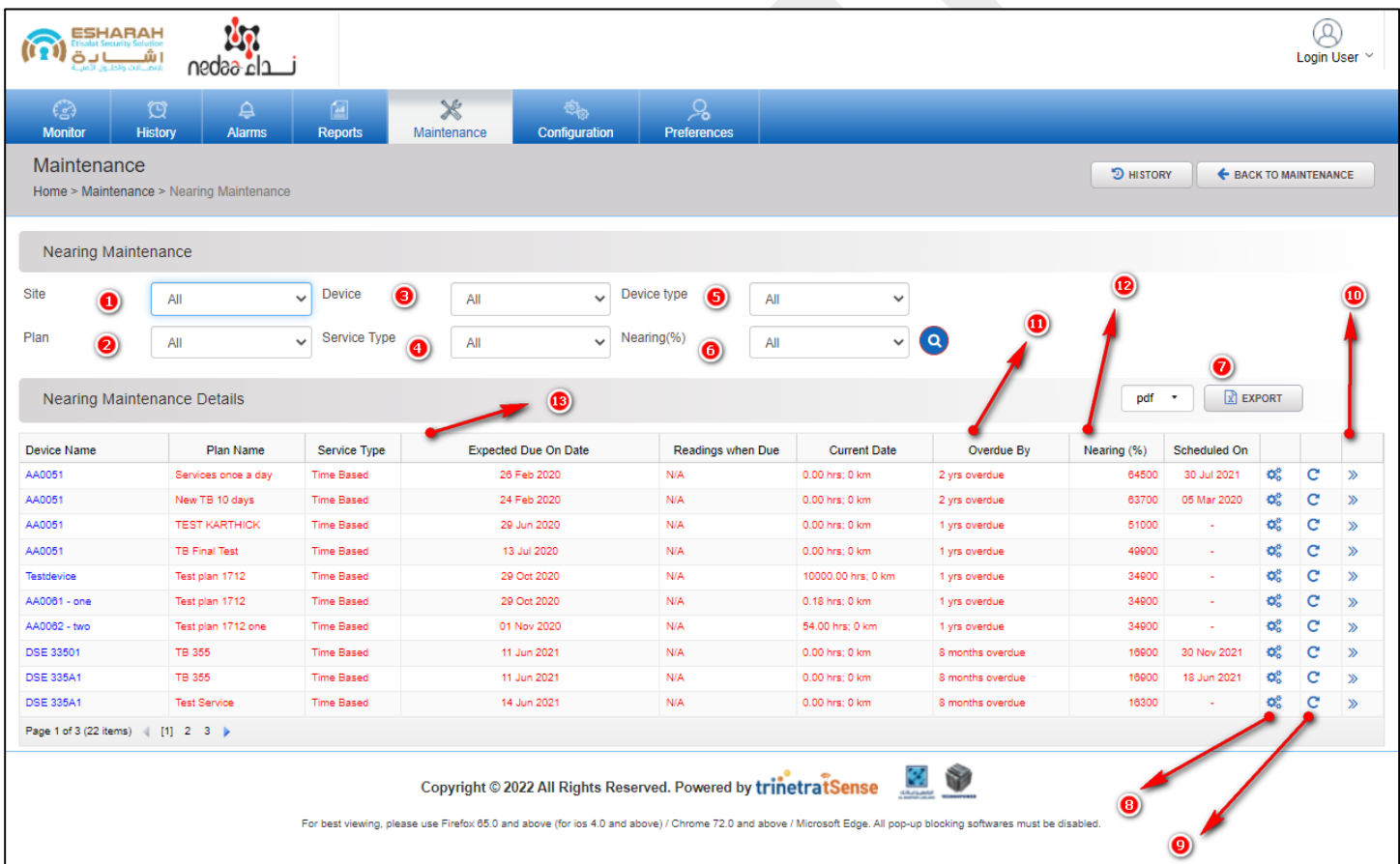
5. **Unassign** – After selecting the list of device using the checkboxes, user can click on the Unassign button to deactivate the plan.
6. **DueOndate** – Select the list of device and then click on the field to select the date.
7. **Assign** - After entering the date and list of devices, user can click on the assign to allocate the plan.

For e.g., Plan 1 has service interval set as 30 days (22/02/2022). And the Plan 1 is assigned to Device 1 for which the last executed value is 20 days before (02/02/2022), recurring service is set as 'Yes' and if the Last Executed On is set as 20 days before, then the first schedule will take place on (02/03/2022) and consecutive schedules will take place on every 30days once.

General feature points.

- Multiple maintenance plans can be allocated to the single Device.
- Only the user having privileges can assign or unassigned the Device's from the plan.
- Device plan assignment and its history will be filtered with Site, Device and relevant schedule information.

Nearing Maintenance



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Monitor History Alarms Reports Maintenance Configuration Preferences

Maintenance
Home > Maintenance > Nearing Maintenance

Nearing Maintenance

Site (1) All Device (3) All Device type (5) All Plan (2) All Service Type (4) All Nearing(%) (6) All

Nearing Maintenance Details (13)

Device Name	Plan Name	Service Type	Expected Due On Date	Readings when Due	Current Date	Overdue By	Nearing (%)	Scheduled On			
AA0051	Services once a day	Time Based	26 Feb 2020	N/A	0.00 hrs; 0 km	2 yrs overdue	64500	30 Jul 2021			
AA0051	New TB 10 days	Time Based	24 Feb 2020	N/A	0.00 hrs; 0 km	2 yrs overdue	63700	06 Mar 2020			
AA0051	TEST KARTHICK	Time Based	29 Jun 2020	N/A	0.00 hrs; 0 km	1 yrs overdue	51000	-			
AA0051	TB Final Test	Time Based	13 Jul 2020	N/A	0.00 hrs; 0 km	1 yrs overdue	49900	-			
Testdevice	Test plan 1712	Time Based	29 Oct 2020	N/A	10000.00 hrs; 0 km	1 yrs overdue	34900	-			
AA0061 - one	Test plan 1712	Time Based	29 Oct 2020	N/A	0.18 hrs; 0 km	1 yrs overdue	34900	-			
AA0062 - two	Test plan 1712 one	Time Based	01 Nov 2020	N/A	54.00 hrs; 0 km	1 yrs overdue	34900	-			
DSE 33501	TB 355	Time Based	11 Jun 2021	N/A	0.00 hrs; 0 km	8 months overdue	16900	30 Nov 2021			
DSE 335A1	TB 355	Time Based	11 Jun 2021	N/A	0.00 hrs; 0 km	8 months overdue	16900	18 Jun 2021			
DSE 335A1	Test Service	Time Based	14 Jun 2021	N/A	0.00 hrs; 0 km	8 months overdue	16300	-			

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Fig: Nearing Maintenance screen

1. **Site:** Selection of site.
2. **Plan:** Selection of plan from the list.
3. **Device:** Selection of device from the list.
4. **Service type:** Selection of service type (Time based)

5. **Device type:** Selection of the device type either from main or from generator.
6. **Nearing %:** User can select the percentage they want to filter.
7. **Export:** User can export the data. (PDF /Excel)
8. **Enter service details:** User can enter the service details like (Executed on, Service cost, Comments, Skip the remaining services.)

The screenshot shows the 'Service Details' form. At the top, there's a header 'Service Details' with a close button. Below it, the 'Executed On' field is set to '08-Mar-2022'. A table titled 'Services List' contains one row: 'All Compactors Cleaning' with a description 'once a day', 'Planned Cost' (empty), 'Serviced On' (08-Mar-2022), and 'Service Cost' (empty). Below the table, there's a 'Comments' text area. The 'Next Schedule From' section has two radio buttons: 'Due On' (selected) and 'Executed On'. The 'Next Schedule On' field is set to '27-Feb-2020'. At the bottom, there's a checkbox labeled 'Skip the remaining services and close the plan'. Red arrows point from text boxes to specific fields: 'Need to select the execution data' points to the 'Serviced On' field; 'Enter the cost of the service.' points to the 'Service Cost' field; 'Does the schedule recurred from the due on date / from the executed date.' points to the 'Executed On' radio button; and 'If this checkbox checked in, then all the remaining service will be skipped' points to the 'Skip the remaining services and close the plan' checkbox. 'SAVE' and 'CANCEL' buttons are at the bottom right.

Service Details

Executed On 08-Mar-2022

Services List

☐	Service Name	Description	Planned Cost	Serviced On	Service Cost
☐	All Compactors Cleaning	once a day		08-Mar-2022	

Page 1 of 1 (1 items) [1]

Comments

Next Schedule From ☒ Due On ☐ Executed On

Next Schedule On 27-Feb-2020

Required fields ☐ Skip the remaining services and close the plan

SAVE CANCEL

Need to select the execution data

Enter the cost of the service.

Does the schedule recurred from the due on date / from the executed date.

If this checkbox checked in, then all the remaining service will be skipped

9. **Rescheduling of service:** User can reschedule the service upon entering the date and comments.

The screenshot shows the 'Rescheduling Service' form. It has a header 'Rescheduling Service' with a close button. Below it, the 'Due On Date' field is empty. The 'Comments' text area is also empty. At the bottom, there's a checkbox labeled 'Required fields'. Red arrows point from text boxes to specific fields: 'User can enter the due on date for next schedule' points to the 'Due On Date' field; and 'Comments' points to the 'Comments' text area. 'SAVE' and 'CANCEL' buttons are at the bottom right.

Rescheduling Service

Due On Date

Comments

Required fields

SAVE CANCEL

User can enter the due on date for next schedule

Comments

10. **Skip the service:** User can skip the service upon entering the reasons.

The screenshot shows a web form titled "Skip Service". It contains the following fields and controls:

- Next Schedule From:** Two radio buttons, "Due On" (selected) and "Executed On". Red arrows point from these buttons to callout boxes.
- Next Schedule On:** A text field containing "27-Feb-2020".
- Reason:** A large text area with a red vertical bar on the left, indicating a required field.
- Required fields:** A label with a red vertical bar.
- Buttons:** "SAVE" and "CANCEL" buttons at the bottom right.

Two callout boxes provide additional information:

- A box pointing to the "Executed On" radio button: "User can select this executed on option, based on the selection the next schedule on date will be changed."
- A box pointing to the "Due On" radio button: "User can select this Due on option, based on the selection the next schedule on date will be changed."

11. Overdue By: User can able to view the number of days the plan overdue.

12. Nearing%: Number of percentage the plan skipped.

13. Expected due on date: At what time the plan actually planned for.

Service Log

This module is used to customize service module.

Service Call log

Home > Maintenance > Service Call log

Site: All Device: Device 9569 Executed On: 08-Mar-2022

Services List |

	Maintenance Service Name	Description	Service Cost
☒	All Bearing Greasing	Once in 1 month	1000
☒	All Compactors Cleaning	once a day	1200
☒	All Gear Box Oil Change	Once in 6 months	250
☐	All Gear Box Oil Checking	Once in 15 days	
☐	All Motor Belt Tension Checking	Once in 1 month	
☐	Check the condition of Secondary Bellows whether they need to be replaced or will they hold for anot	once a week	
☐	Check the Secondary Carriage Bearings	once a week	
☐	Clean the Suction Sensor Hose	once in 15 days	
☒	Machine Services One	NEW	2500
☐	New test 1712 one	New test 1712	

Page 1 of 2 (15 items) [1] 2

Comments: Completed

Image1: Choose File No file chosen

Note : We accept jpg, png, doc, docx, pdf, xls,xlsx, gif and bmp, 500 KB maximum size.

Calculator: 4950

SAVE CANCEL

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Fig: Service log screen

- Device and Site:** User can select the site and device using the filter.
- Executed On:** User need to select the date, the plan/service was executed.
- Service cost:** User can enter the appropriate amount to close the service.
- Calculator:** User need to click the calculator to sum all the entered amount.
- Comments:** Need to be filled for reference.
- Image:** Upload image for reference.
- Save:** Need to click the save that need to be reflected on history.

Device Service history

Fig: Service history screen

1. **Filtering type:** User can able to filter the data.
2. **Search:** Used to filter the data.
3. **Export:** User can able to export the list of history.
4. **Binocular icon:** User can able to view details for the completed service.

Service detail view popup screen details

6. Configuration

A user-friendly configuration panel allows you to manage your sites based on user privileges.

6.1 User Management.

Manage users.

Module Functionality: Admin will be privileged as default and they can create and modify/ delete the user and their details.

Privilege Details – The users of Security Admin only have privilege to access this master

Fig: Manage Users page

It will reflect the list of application users.

Fig: Manage Users creation page

1. Enter all the mandatory fields to create the user.
2. Saved details will be reflected in the data grid.

Manage user groups.

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Login User

Monitor History Alarms Reports Maintenance Configuration Preferences

Configuration

Home > Configuration > Manage User Groups

+ ADD USER GROUP

GROUP ASSIGNMENT

MANAGE USERS

BACK TO CONFIGURATION

Manage User Groups

User Group Name

User Group Description

Lock User

Module List

Module : Notifications

Module : Maintenance

Module : Monitor

Module : History

Module : Alerts

Module : Reports

Module : User Management

Module : Site Management

Module : Equipment Management

Module : Preferences

Module : Commands

Module : Messages In

Privileges can be set for all the group of management people

Required Fields

SAVE

CANCEL

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Fig: User Group creation

1. User need to enter the user group privileges (By default there will be one user group called “Security Admin” after that user can set few privileged group for certain users.
2. Lock users – User can set a lock user after certain tries on login.
3. Select list available modules for that privileged user.
4. Save the user group and allocate it to any users while creating the new user or already created user.

Configuration
Home > Configuration > Group Assignment

MANAGE USERS MANAGE USER GROUP BACK TO CONFIGURATION

Group User Assignment

User Groups: Techno Power

Unassigned Users

	User Name	Display Name	Group	Customer Name	Active Status	Locked Status
☐	Administrator	Admin	Security Admin	VXL	Active	Unlocked
☐	gopal	Krish	Security Admin	trinetra	Active	Unlocked
☐	Karthick2it	Karthick2it	CustomerA	Customer A	Active	Unlocked
☐	rgraju	Govindaraju	VXL		Active	Unlocked
☐	Test	Test	Security Admin	- Select -	Active	Unlocked
☐	triadmin	Trinetra Admin	Security Admin	Customer A	Active	Unlocked
☐	trihidden	Hidden	Security Admin	Customer A	Active	Unlocked

Page 1 of 1 (7 items) [1]

Assigned Users

	User Name	Display Name	Group	Customer Name	Active Status	Locked Status
☐	Balaji	Balaji	Techno Power	VXL	Active	Unlocked
☐	hari	hari	Techno Power	- Select -	Active	Unlocked
☐	Techno	Techno	Techno Power	Customer A	Active	Unlocked
☐	TechnoEngg	Techno Engg	Techno Power	Customer A	Active	Unlocked
☐	technopower	Technopower	Techno Power	Customer A	Active	Unlocked

Page 1 of 1 (5 items) [1]

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Fig: User Group Assignment

- User group:** User need to select the list of group created from the list.
- Assign:** Select list of user from unassigned list and assign it.
- Unassign:** Select list of user from the assigned list and unassign it.

6.2 Site Management

Manage site

By default, for admin, “All” sites will be assigned. Based on the user needs they can create the separate site and can assign the required Device and users to the site so that the respective Device to the assigned user alone will be shown. If the user logs in it will display only the assigned site and Device. User can create their own site and manage them. Each site has a unique identifier generated sequentially.

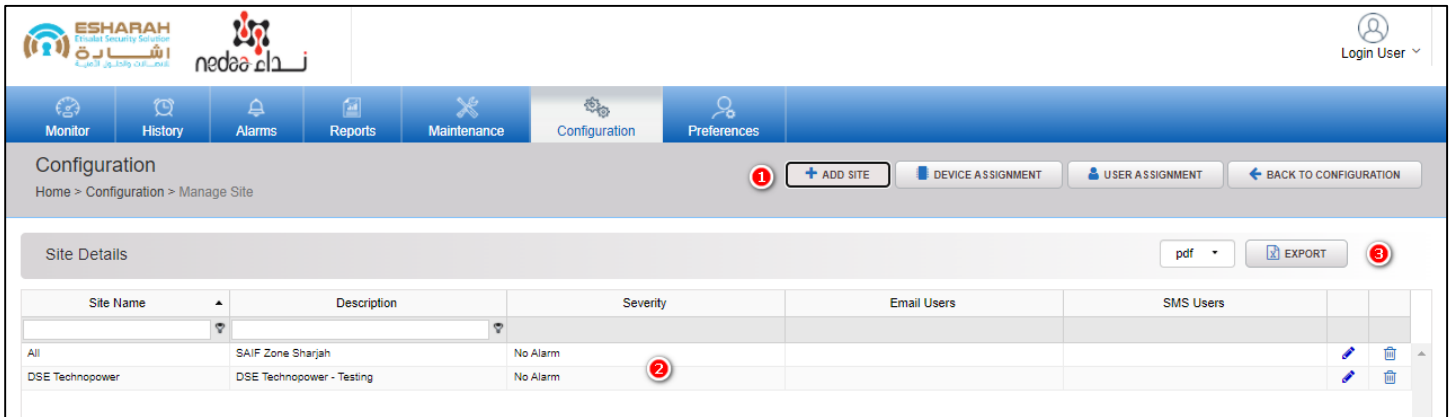


Fig: Manage site screen

1. **Add site:** User can enter the site details to create.

2. **Severity:** User can select the severity based on the machine or device.
3. **Export:** User can export all the data in the grid.

Site – Device assignment

Site Device Assignment

Site Name: 1 DSE Technopower

Unassigned Devices

	Device ID	Device Name	Customer Name
☐	05608565	Device 9569	1722948217813
☐	335a10	dse 335 A10	17732457
☐	335A5	DSE 335 A5	1722948211904
☒ 2	33501	DSE 33501	1722948217814
☐	335A1	DSE 335A1	1722948217814

Page 1 of 3 (11 items) [1] 2 3

3

Assigned Devices

	Device ID	Device Name	Customer Name
☐	335TP	335	1722948217813
☒ 4	477305622935	DSE 7410MKII TP	1722948217813

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5

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Fig: Site device Assignment screen

The Device must be assigned to sites to view the Device of the site. The Security Admin of an organization assigns

In the site Device assignment page, when a site is selected from the drop down the corresponding Device assigned to the site is shown under “Assigned Device’s” column. Device, which are yet to be assigned to the selected site, are shown under “Unassigned Device’s” column. The assigned and unassigned Device’s column to assign / un assign Device’s from / to the selected site.

By default, the ALL site is selected in dropdown and it cannot be changed.

1. User need to select the site name in the list.
2. Select the list of devices using the checkboxes.
3. Assign to the site.
4. Select the list of devices using the checkboxes to Unassign from the site.

5. Unassign the selected devices from the site.

Site – User Assignment

Site User Assignment

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Monitor History Alarms Reports Maintenance Configuration Preferences

Configuration
Home > Configuration > User Assignment

DEVICE ASSIGNMENT MANAGE SITE BACK TO CONFIGURATION

Site User Assignment

Site Name All

Unassigned Users

	User Name	Customer Name	User Group	Active Status	Locked Status
☐					
☐	Balaji	VXL	Techno Power	Active	Unlocked
☐	Karthick2it	Customer A	CustomerA	Active	Unlocked
☐	triadmin	Customer A	Security Admin	Active	Unlocked
☐	trihidden	Customer A	Security Admin	Active	Unlocked

Page 1 of 1 (4 items)

ASSIGN

Assigned Users

	User Name	Customer Name	User Group	Active Status	Locked Status
☐					
☐	Administrator	VXL	Security Admin	Active	Unlocked
☐	gopal	trinetra	Security Admin	Active	Unlocked
☐	hari	- Select -	Techno Power	Active	Unlocked
☐	ngraju	VXL		Active	Unlocked

Page 1 of 2 (8 items)

UNASSIGN

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Fig: Site User Assignment screen

1. User need to select the site name in the list.
2. Select the list of users allocate to the particular site to access the devices.
3. Assign the list of user upon clicking the assign button.
4. Select the list of users to deallocate from the particular site.
5. Unassign the list of users using the unassign button.

6.3 Device Management

Manage devices

Configuration

Home > Configuration > Device Management

Device Management

Device ID	Device Name	Device Type	Date Of Commissioning	Gateway ID	Opening Running Hours	Battery Replacement On	Notification
2525353	Monitor Page	DSE 7410 MKII	14 Feb 2022	1722948217813	0		
2581898075723	DSE 7410 MKII 2581898075723	DSE 7410 MKII	13 Oct 2021	1722948211483	0	13 Oct 2021	
2626241	monitor screen	DSE 335	14 Feb 2022	1722948217814	100		
33501	DSE 33501	DSE 335	26 Aug 2021	1722948217814	0	26 Aug 2021	
335A1	DSE 335A1	DSE 335	-	1722948217814	0	01 Jul 2021	triadmin
335a10	dse 335 A10	DSE 335	11 Aug 2021	17732457	0	11 Aug 2021	
335A5	DSE 335 A5	DSE 335	16 Aug 2021	1722948211904	0	16 Aug 2021	
335TP	335	DSE 335	18 Feb 2022	1722948217813	0	18 Feb 2022	
464502162282	DSE 7410MKII 464502162282	DSE 7410 MKII	16 Aug 2021	1722948211904	0	16 Aug 2021	
477284905345	7410	DSE 7410 MKII	06 Jul 2021	1722948217813	0	06 Jul 2021	
477305622935	DSE 7410MKII TP	DSE 7410 MKII	25 Oct 2021	1722948217813	0	25 Oct 2021	

Page 1 of 1 (14 items)

Fig: Manage device list

- Add device:** User need to click on the add device.
- List of devices**
- Binocular icon:** User can view the device details. (Unable to modify).
- Pencil icon:** User can edit optional fields.
- Delete icon:** User can delete the device from the list.
- Export:** User can export the data. As per the required format in the list.

Configuration
Home > Configuration > Device Management

Device Information

Device ID (Controller Id) [Red line] Device Type [- Select -]

Device Name [Red line] Gateway ID [- Select -]

Date of Commissioning [Calendar icon] Opening Running Hours []

Additional Information (Max 250 char) [] Battery Replacement On [Calendar icon]

Address Information (Max 1000 char) [Red line] Lat & Long [] []

Severity [Red line] ☐ None ☐ Information ☐ Warning ☐ Electrical Trip ☐ Shutdown

[MANAGE DEVICE NOTIFICATIONS]

[Red line] Required Fields

Red line indicates that it was mandatory field to create the device.

User can select, required severity for the device.

Upon clicking this button, will open the user selection popup to select the list of user.

[SAVE] [CANCEL]

7. Preference

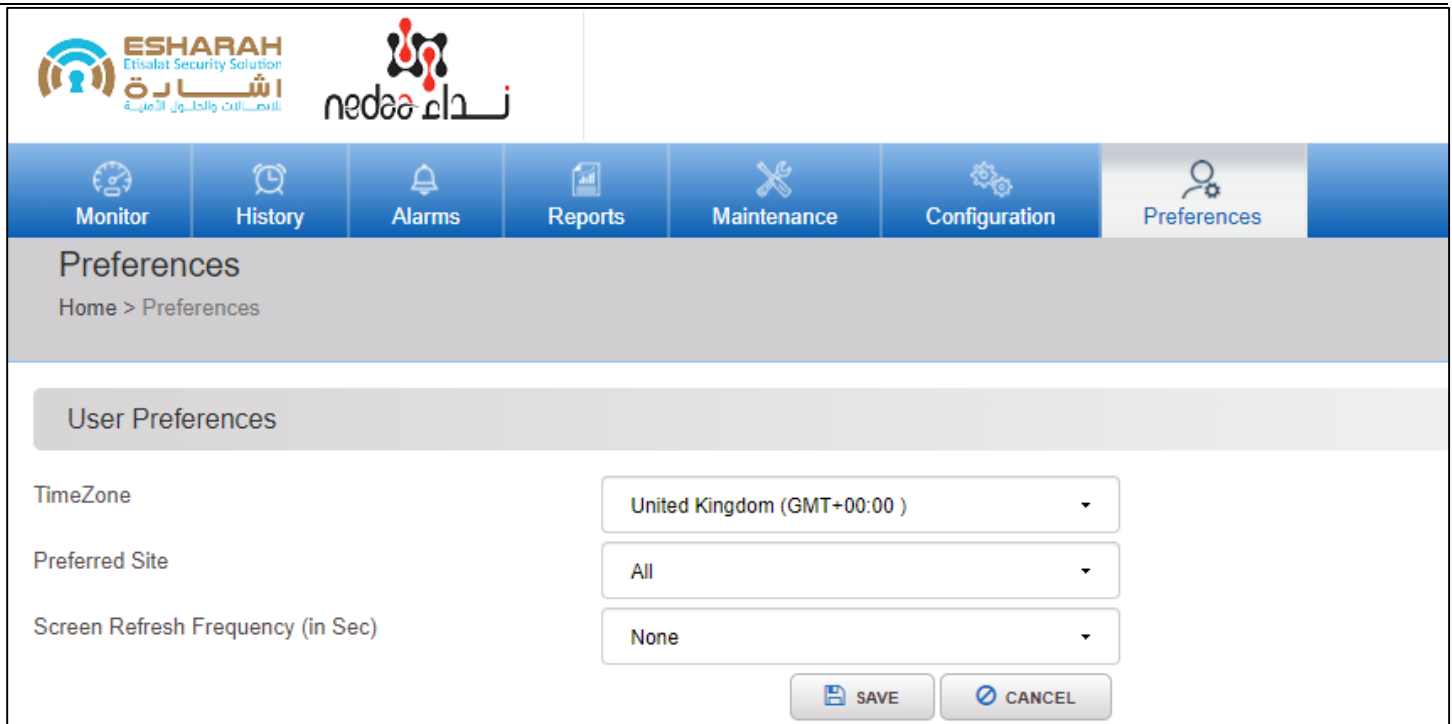
Preferences

Allows the logged in user to manage his / her preferences such as:

- Time zone – Based on the selected time zone, the date and time will be displayed in the entire application for the particular user and also to send the notifications
- Default site – Specifies the default organization, which will be loaded, wherever applicable when the user navigates throughout the application.
- Screen refresh frequency – The duration set will be used in the “Monitor” page in order to perform automatic refresh and update of the Device information.
- Option for user to change his / her password

Note

- Device will send the data with UTC time.
- Time zone is mentioned here will be reflected throughout the portal by adding this to device reported UTC time as Origin date & time.



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neda

Monitor History Alarms Reports Maintenance Configuration Preferences

Preferences
Home > Preferences

User Preferences

TimeZone United Kingdom (GMT+00:00)

Preferred Site All

Screen Refresh Frequency (in Sec) None

SAVE CANCEL

Fig: Preference screen

8. Mobile App

Mobile app provides the user clarity whether the device running or in offline status. Also user can able to monitor the detailed information.

- Login
- Dashboard
- History
- Notifications
- Settings
- Change password
- Logout

8.1 Login

This login module provides the user to login to the mobile application with proper mobile credentials and also user forgot password can able to retrieve using the forgot password functionality.

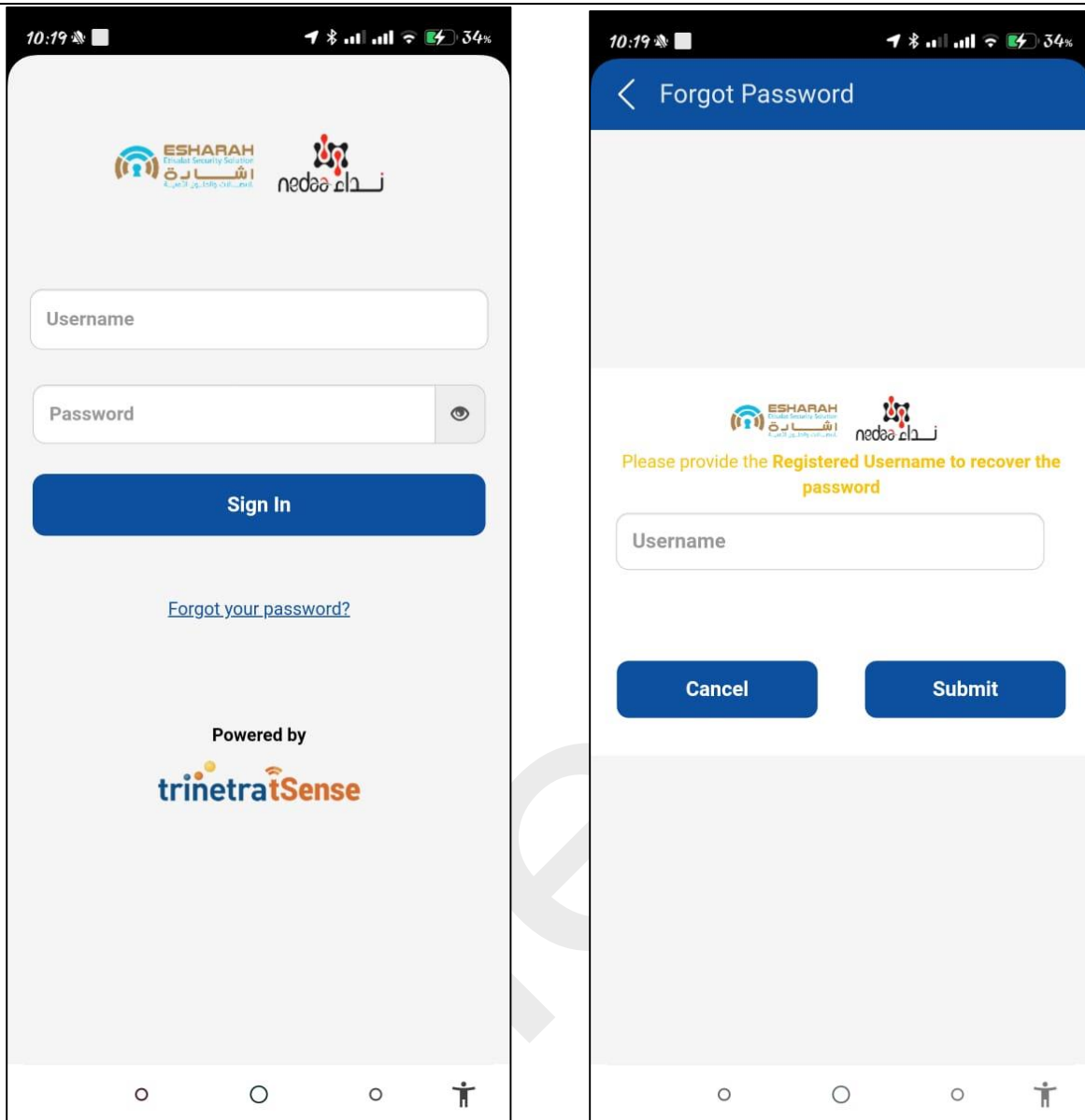


Fig: Login and forgot password screen

- User can login to the application using the portal created credentials.
- If user forgot the password, user can access the forgot your password? Link to retrieve the password.
- User need to enter the username to retrieve the password.

8.2 Dashboard

Dashboard provides the list of latest alert counts in the screen and shows the list of devices button in the bottom to view the detailed information.

- Upon clicking the “Show all devices” button, it will be listing all the devices in the portal application.

- Click on the each device to view the detailed information.
- It will be showing the “Events” and “Controls” button along with list of parameter details.
 - If it is main power device –
 - S1
 - S2
 - Digital Input
 - Digital Output
 - Alarms
 - If it is generator power device –
 - Generator
 - Engine
 - Digital input
 - Digital output
 - Alarms

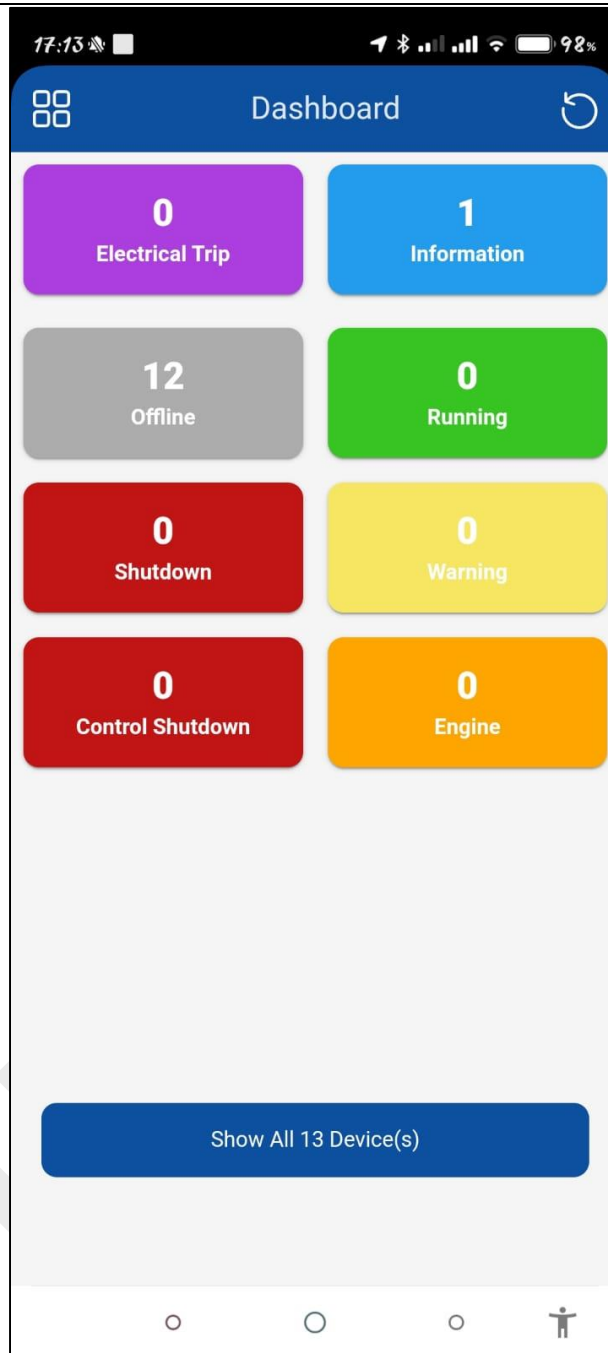


Fig: Dashboard.

- Click the "Show all 13 devices".

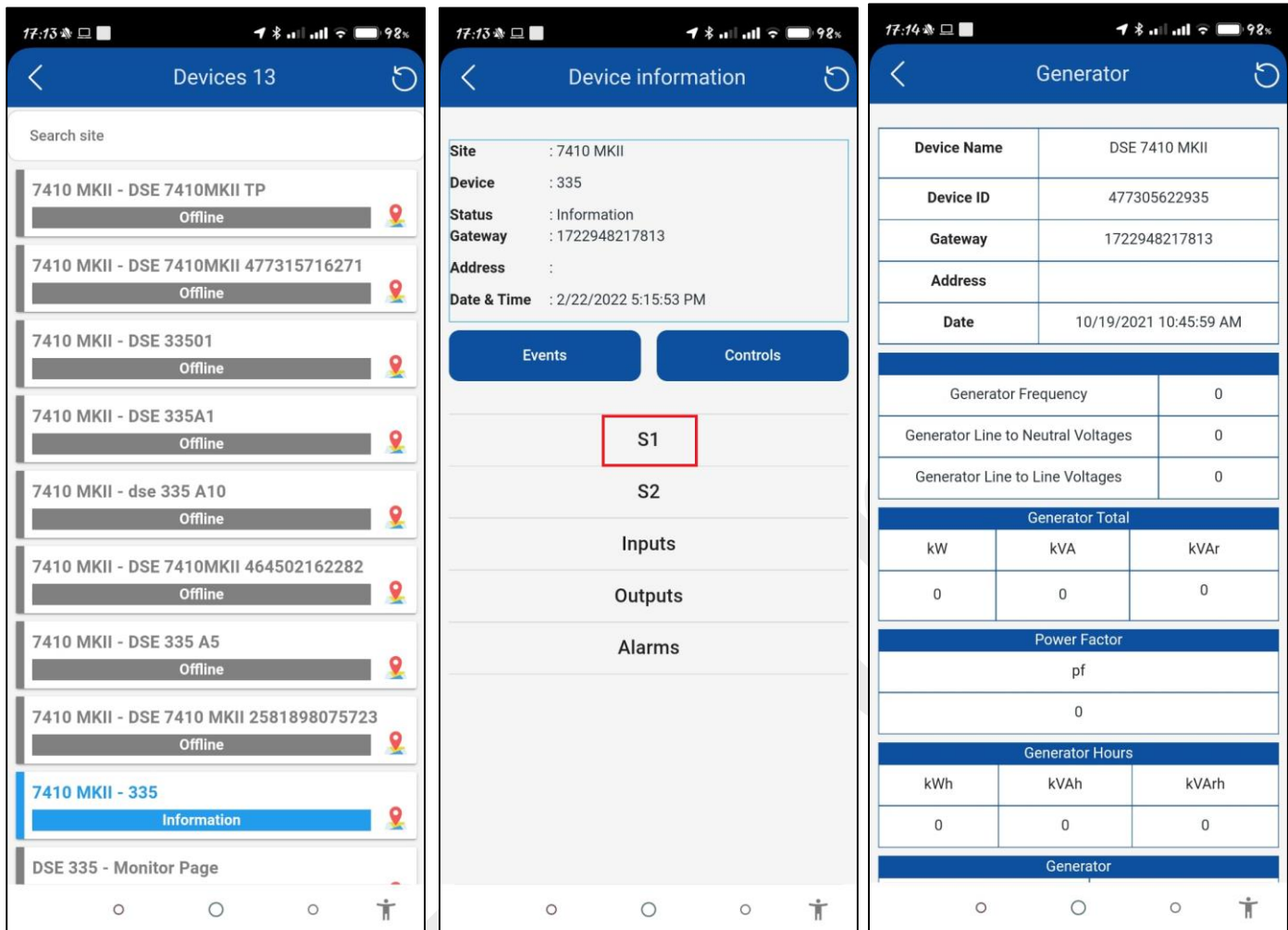


Fig: Device details – Main Power.

8.2.1 Module Events (Alarms):

- The objective of this sub module is to show the selected module events information in list.
- Event name and Event Description are shown in the list view; a module has many events.
- No events available indication has provided based event availability.

8.2.2 Module Controls:

The objective of this sub module is to show the selected controllers module available controls information and user can send respective control commands (Auto, Manual, Mute, GO, Stop, Test, Transfer to mains, Mains Available, Main breaker, Gen breaker, Gen Available) through mobile app

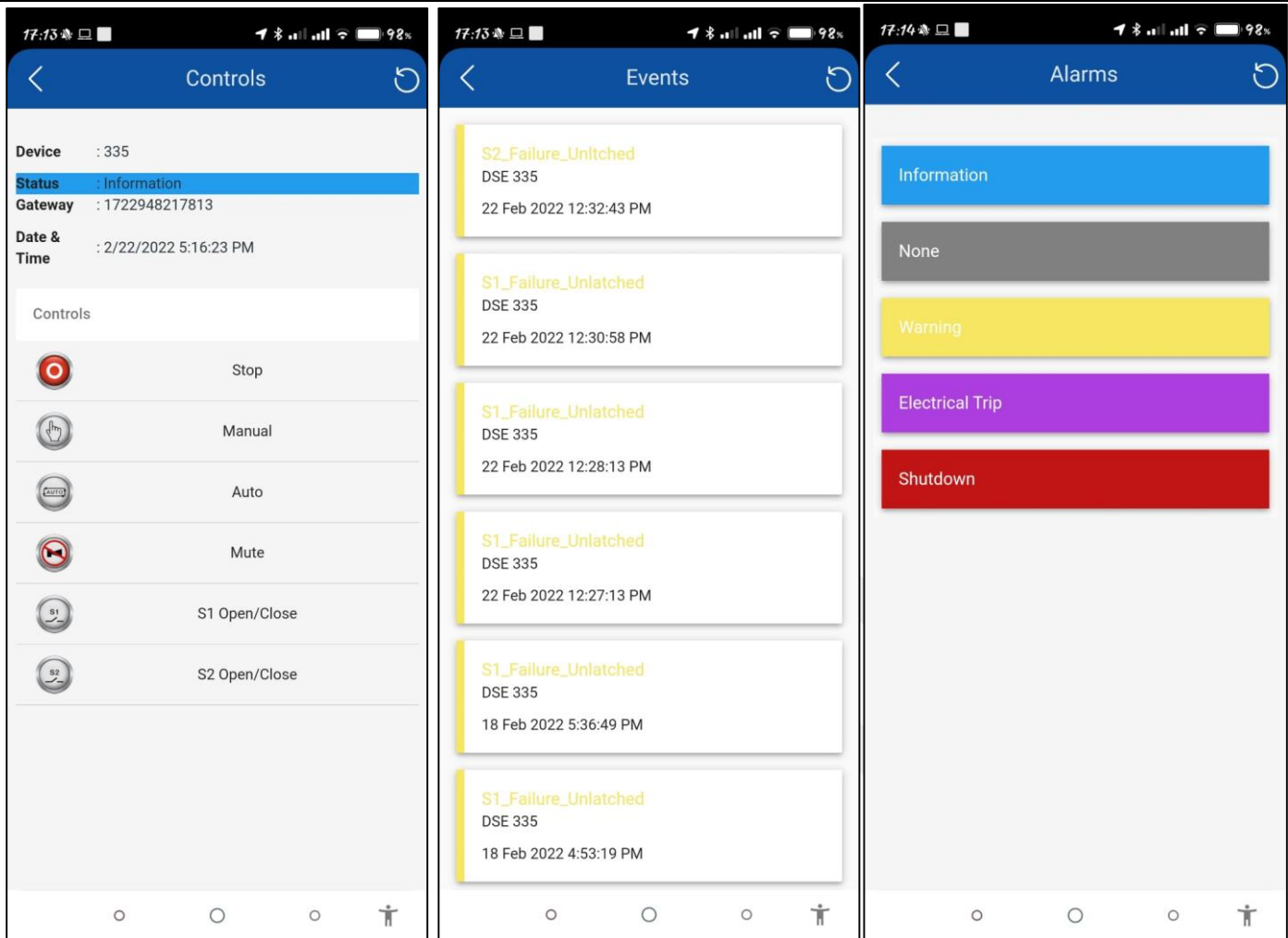


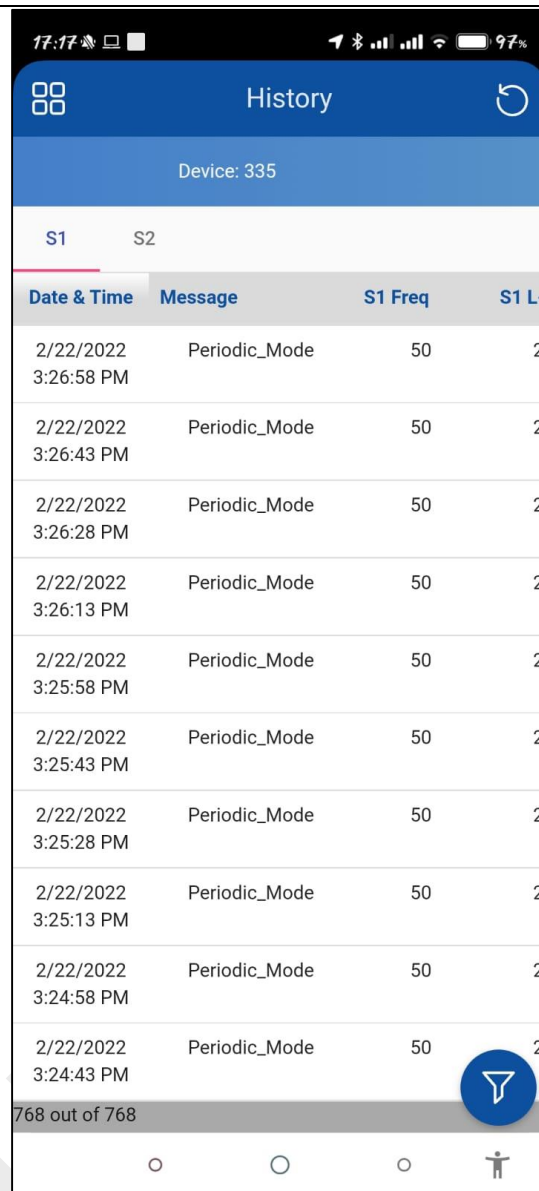
Fig: Controls

Fig: Events

Fig: Alarms

8.3 History

- The objective of this sub module is to show the history of the module configured parameters based on last reporting time.
- User can view the data in table format with time filter option the filter categorized by last 10 minutes, last hour, last day, last week, last month
- No graph or Charts are displayed in mobile app.
- Below are the fields shall be displayed in the history list screen.

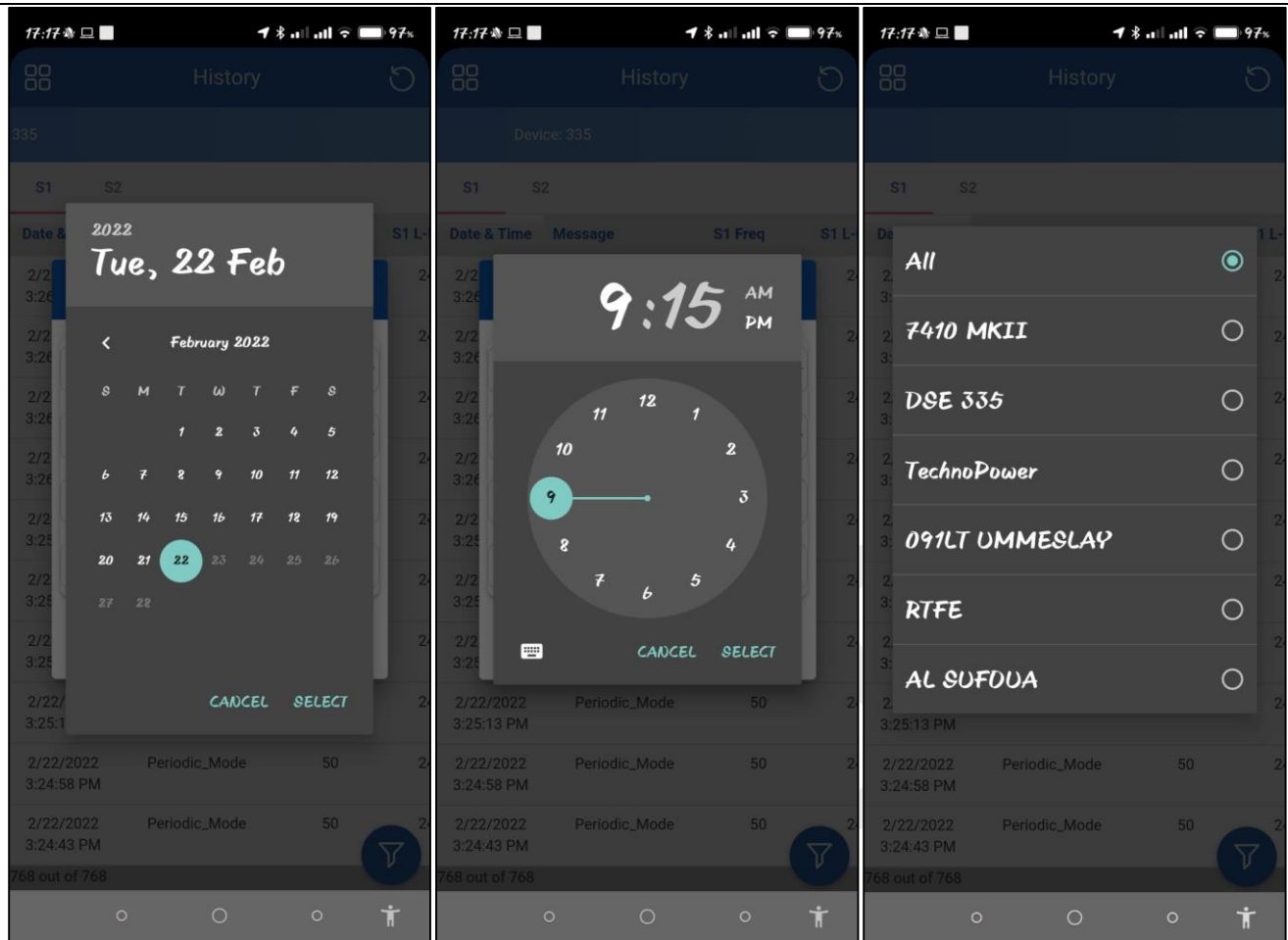


History			
Device: 335			
S1		S2	
Date & Time	Message	S1 Freq	S1 L-
2/22/2022 3:26:58 PM	Periodic_Mode	50	2
2/22/2022 3:26:43 PM	Periodic_Mode	50	2
2/22/2022 3:26:28 PM	Periodic_Mode	50	2
2/22/2022 3:26:13 PM	Periodic_Mode	50	2
2/22/2022 3:25:58 PM	Periodic_Mode	50	2
2/22/2022 3:25:43 PM	Periodic_Mode	50	2
2/22/2022 3:25:28 PM	Periodic_Mode	50	2
2/22/2022 3:25:13 PM	Periodic_Mode	50	2
2/22/2022 3:24:58 PM	Periodic_Mode	50	2
2/22/2022 3:24:43 PM	Periodic_Mode	50	2

768 out of 768

Fig: History

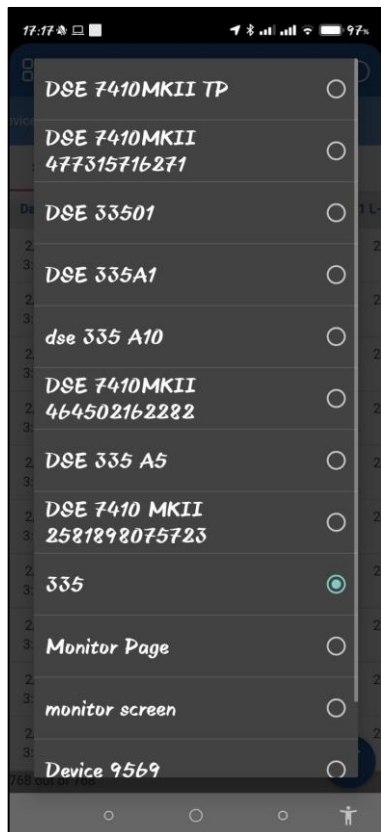
- User can filter the time range up to 4hours maximum in the mobile application. But in the portal application user able to take the report up to 6months in the History module.



Date selection

Time Selection

Site selection

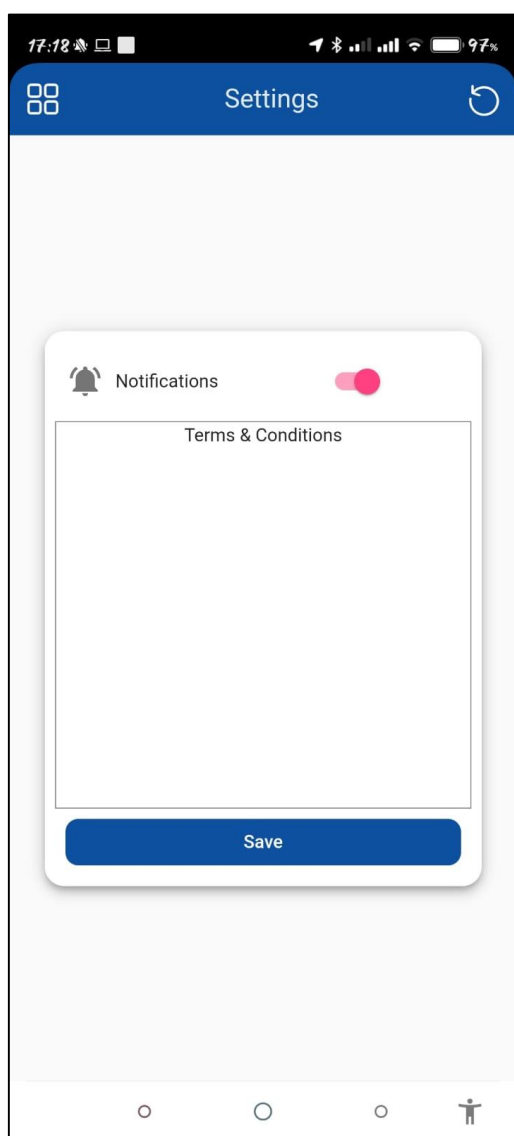


- Upon filtering in the history module, user need to select the site, Device, date and time selection.
- User can only able to view up to 4 hours in the mobile application.
- Device has two types like – main power and generator power.

8.4 Notification

- The Notification module is to show the alerts of the assigned/mapped controllers which will triggered from Portal.
- The notifications would be presented with Title of the notification, Date and its description.

8.5 Settings



- The settings module is to enable/disable the notification through toggle button, user can set based on their preference.
- The changes which are done by the user in this screen would be applied for notifications module.
- Below are the fields which will be displayed in this screen.

Fig: Settings