

# User Manual (v2.70)

## Artesis Motor Condition Monitoring Systems

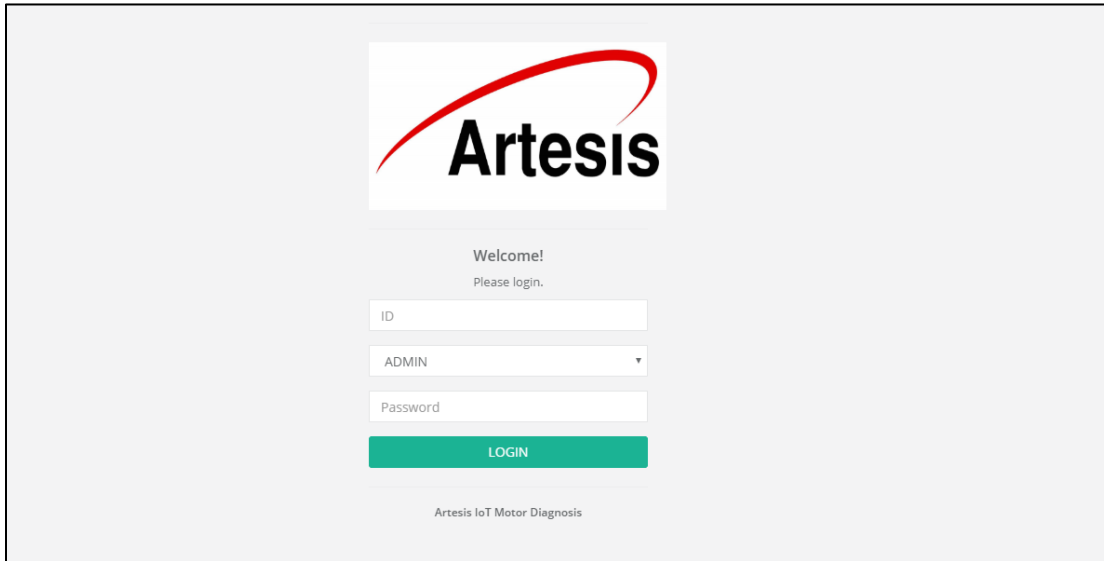


# Table of Contents

1.	LOGIN PAGE.....	4
2.	MAIN SCREEN.....	5
3.	DASHBOARD.....	6
3.1	Equipment Status Info.....	7
3.2	Status Summary.....	8
3.3	Alarm List.....	8
3.4	Usage Comparison.....	9
3.5	Usage Ranking.....	9
3.6	Total Watt Hour.....	10
3.7	Diagnosis List.....	10
4.	DETAILED INFO.....	11
4.1	Equipment selection.....	12
4.2	Maintenance Information.....	12
4.3	PSD Chart.....	13
4.4	Report Viewer.....	14
4.5	Equipment Image.....	14
4.6	Status Information.....	15
4.7	Event List.....	18
4.8	Event List Button.....	18
4.9	Fault list.....	19
4.10	Active Power.....	20
4.11	Physical Parameters.....	21
4.12	Diagnosis parameters.....	21
5.	MANAGEMENT.....	23
5.1	Date Period Selection.....	23
5.2	Management View.....	23
6.	TREND.....	24
6.1	Select Equipment and Dates.....	24
6.2	Select Parameters.....	25
6.3	Chart.....	26
7.	Report All Equipment.....	27
7.1	Date Selection.....	28
7.2	Usage Chart.....	28
7.3	Usage Ranking.....	29
7.4	Alarm Status.....	29
7.5	Alarming equipment counts.....	29

7.6	Weekly usage.....	29
7.7	Active Power Peak Chart .....	30
7.8	Daily Usage and Running Hours.....	30
7.9	Daily Summary Table .....	30
8.	REPORT – INDIVIDUAL EQUIPMENT .....	31
8.1	Date and equipment selection .....	32
8.2	Alarm Occurrence Status .....	32
8.3	Equipment Description .....	32
8.4	Weekly Usage .....	33
8.5	Active Power Peak Chart .....	33
8.6	Daily Usage and Uptime .....	33
8.7	Daily Summary Table .....	34
9.	REPORT – CATEGORY.....	35
9.1	Date selection .....	36
9.2	Usage Chart .....	36
9.3	Usage Rank .....	37
9.4	Alarm Occurrence Status .....	38
9.5	Alarmed Equipment Counts.....	38
9.6	Weekly Usage .....	38
9.7	Active Power Peak Chart .....	39
9.8	Daily Usage and Running Hours.....	39
9.9	Daily Summary Table .....	39
10.	DAILY REPORT .....	40
11.	ADMIN SETTING .....	41
11.1	Update Settings .....	41
11.1.1	11.1.1 Manual Update of Equipment .....	41
11.2	Report Settings .....	42
11.2.1	Sender Settings .....	42
11.2.2	Receiver Settings.....	43
11.2.3	Alarm Settings.....	44
11.3	Account Settings.....	45
11.3.1	Account Settings .....	45
11.3.2	Company Logo .....	46

## 1. LOGIN PAGE



Welcome!  
Please login.

ID

ADMIN

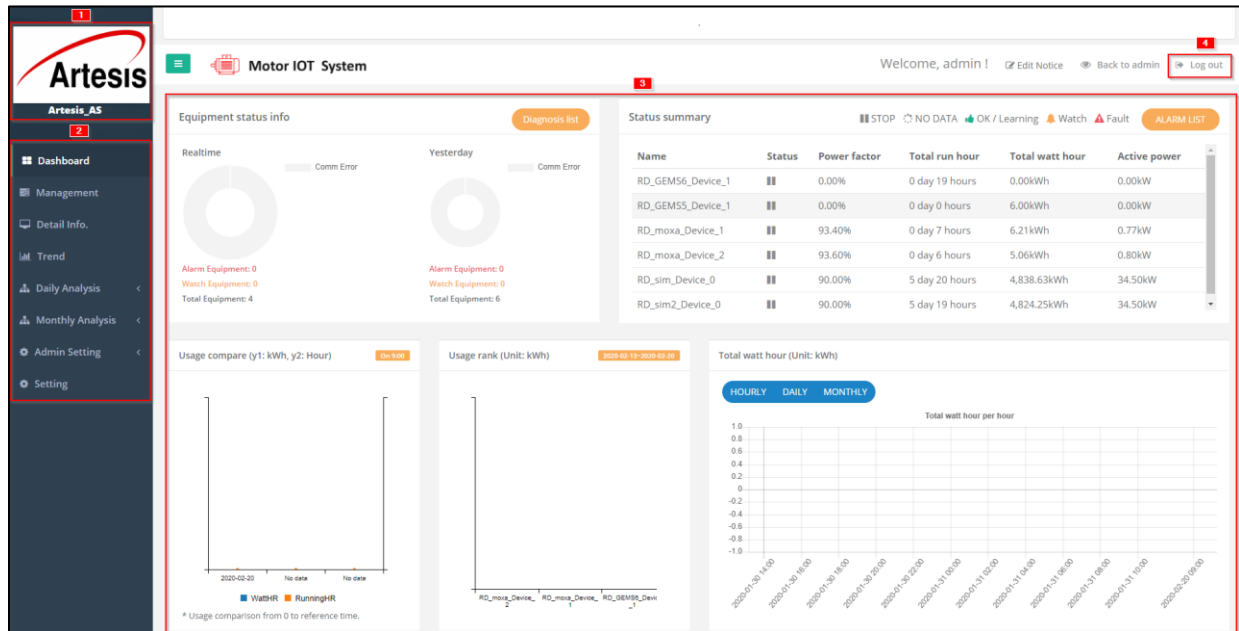
Password

LOGIN

Artesis IoT Motor Diagnosis

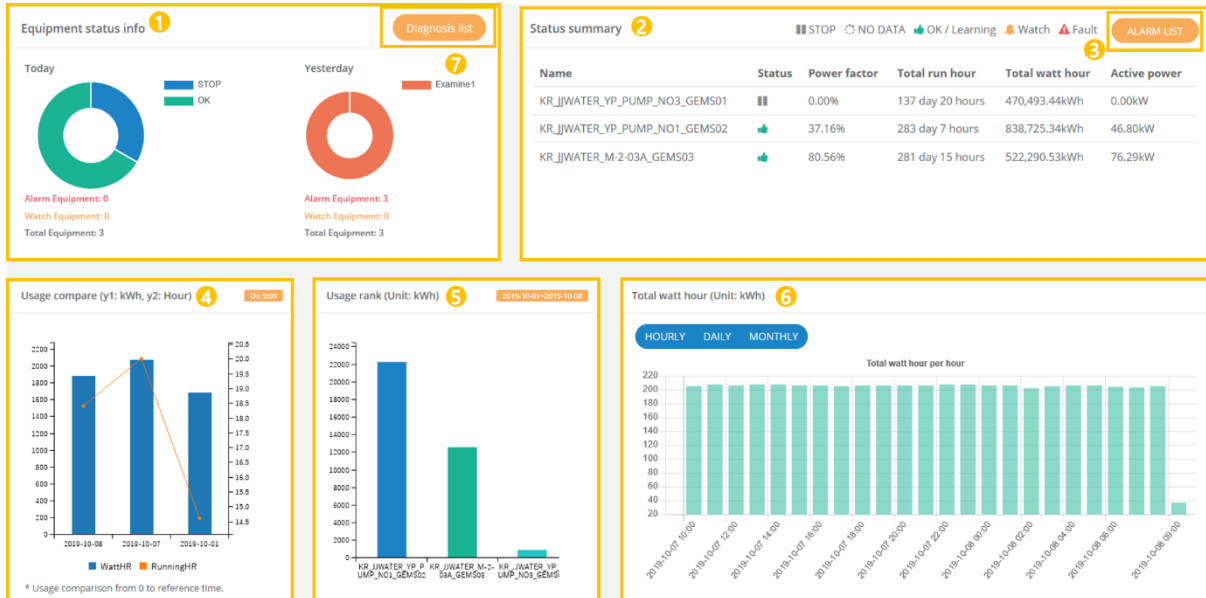
- Default address is <http://localhost:3002>, <http://127.0.0.1:3002> or [http:// \[IP address\]:3002](http://[IP address]:3002).
- Enter company name (ID) and select Admin or Guest. Enter password and click [Login] button.
- Admin and Guest both can see every page on web server, but Setting page is only visible in Admin account and Admin can insert, modify and delete the equipment information.
- If login failed 5 times in 30 minutes, login will be restricted for 5 minutes. Login access restrictions apply to the IP address.
- Guest's default password is "1111". For Admin password, contact Artesis.

## 2. MAIN SCREEN



- ① Logo and company (account) name.
- ② Dashboard, Management, Detailed Info, Trend, Daily Analysis, Monthly Analysis, Admin Setting and Setting Menu (Setting Menu is not accessible in Guest account)
- ③ This section will be changed by menu.
- ④ [Log out] button to log out.

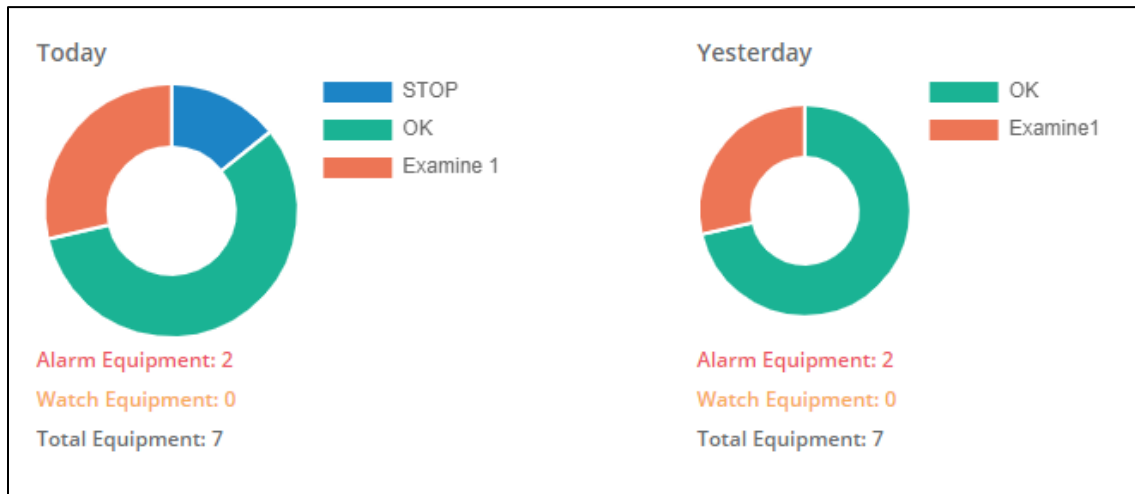
### 3. DASHBOARD



Dashboard page shows diagnosis and usage status of all equipment.

No	Section	Description
1	Equipment status info	This chart shows all the equipment status of today and yesterday.
2	Status summary	This table shows current status of all equipment.
3	Alarm list	The button opens pop-up window that shows existing faults list.
4	Usage compare	The charts show usage comparison by the date.
5	Usage rank	The charts show weekly usage ranking by equipment.
6	Total watt hour	The chart shows a quick view of the total active power usage flow by hour, day and month.
7	Diagnosis list	The button opens pop-up window that shows a real-time diagnosis status of all equipment.

### 3.1 Equipment Status Info



This shows a status of all equipment. Today chart shows real-time status. Yesterday chart shows most critical status that happened yesterday.

**Motor status is displayed as follows:**

ITEM	DEVICE TYPE	COLOR	DESCRIPTION
<b>NO DATA/ STOP</b>	MCM/eMCM	Blue	Does not have enough data to generate diagnostic information or motor is not running.
<b>LEARNING</b>	MCM/eMCM	Light blue	Motor is learning or updating.
<b>OK</b>	MCM/eMCM	Green	Motor is working as expected.
<b>WATCH LINE</b>	MCM/eMCM	Yellow	Temporary changes in supply voltage cause this alarm. If alarm is persistent check for harmonic levels, capacitors, isolation of cables, motor connector or terminal slackness, loose contactors, etc.
<b>WATCH LOAD</b>	MCM/eMCM	Yellow	If the process load has not been altered deliberately, check for leakage, valve & vane adjustment, pressure gauge faults, manometer, dirty filters (fans, compressors), etc.
<b>EXAMINE 1</b>	MCM/eMCM	Orange	Plan Maintenance (First Level Alarm): There are developing mechanical and/or electrical fault(s). Although the level of the measured condition parameters is not critical yet, an inspection should be carried out and maintenance to be scheduled within 3 months.
<b>EXAMINE 2</b>	MCM/eMCM	Red	Do Maintenance (Second Level Alarm): The level of the measured condition parameters is now critical, and an inspection should be carried out and maintenance scheduled immediately.
<b>COMM ERROR</b>	MCM/eMCM	Gray	Communication error

### 3.2 Status Summary

Status summary					
Name	Status	Power factor	Total run hour	Total watt hour	Active power
EPS_AG_3201D	▲	74.16%	186 day 4 hours	133,816.38kWh	26.27kW
EPS_RV_5801	👍	94.65%	183 day 15 hours	1,006.94kWh	1.66kW
ABS1_SN_6634		0.00%	24 day 20 hours	8,331.71kWh	0.00kW
ABS3_PU_8234	👍	79.68%	18 day 5 hours	27,180.98kWh	66.95kW
ABS1_SC_6662A	👍	50.58%	28 day 4 hours	19,264.95kWh	31.13kW
ABS3F_MC_8601	👍	59.72%	81 day 6 hours	37,224.60kWh	20.38kW

This shows a status summary of all equipment. STOP means that equipment has stopped and NO DATA means that the equipment have no data to show.

The list of unit and description by items.

ITEM	UNIT	DESCRIPTION
STATUS	-	It shows equipment's current status.
POWER FACTOR	%	It shows equipment's current power factor.
TOTAL RUN HOUR	Day, hour	It shows equipment's total running hours up to now.
TOTAL WATT HOUR	kWh	It shows equipment's total watt hours up to now.
ACTIVE POWER	kW	It shows equipment's current active power.

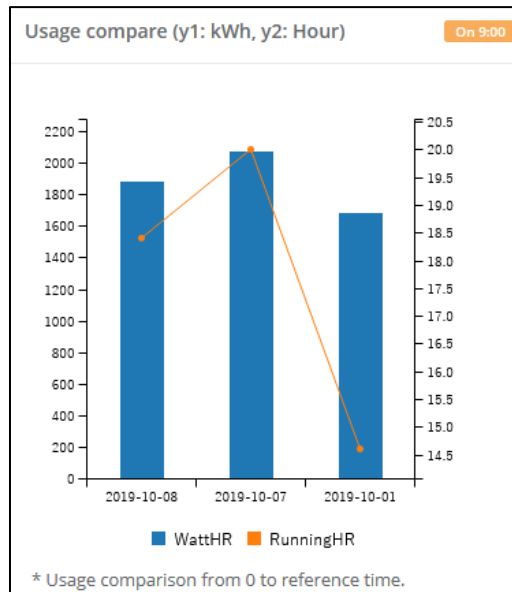
### 3.3 Alarm List

Equipment	Time	Description
renault_PS_2	2019-09-04	Loose found/Components, Unbal/Misal/Coupling, Trans element/Driven equip,
renault_PS_2	2019-09-03	Unbal/Misal/Coupling, Trans element/Driven equip, Loose found/Components,
renault_PS_2	2019-09-02	Loose found/Components, Unbal/Misal/Coupling, Trans element/Driven equip,
renault_PS_2	2019-08-31	Unbal/Misal/Coupling, Trans element/Driven equip, Internal electrical fault, External electrical fault,
renault_PS_2	2019-08-30	Loose found/Components, Unbal/Misal/Coupling, Trans element/Driven equip,
renault_PS_2	2019-08-29	Loose found/Components, Unbal/Misal/Coupling, Trans element/Driven equip,
renault_PS_2	2019-08-28	Loose found/Components, Unbal/Misal/Coupling, Trans element/Driven equip,
renault_PS_2	2019-08-27	Unbal/Misal/Coupling, Trans element/Driven equip, Loose found/Components,
renault_PS_2	2019-08-26	Loose found/Components, Unbal/Misal/Coupling, Trans element/Driven equip,
renault_PS_2	2019-08-25	Unbal/Misal/Coupling, Trans element/Driven equip,

Click [Alarm list] on 3.2 view. This pop-up page shows existing fault list by equipment and date.

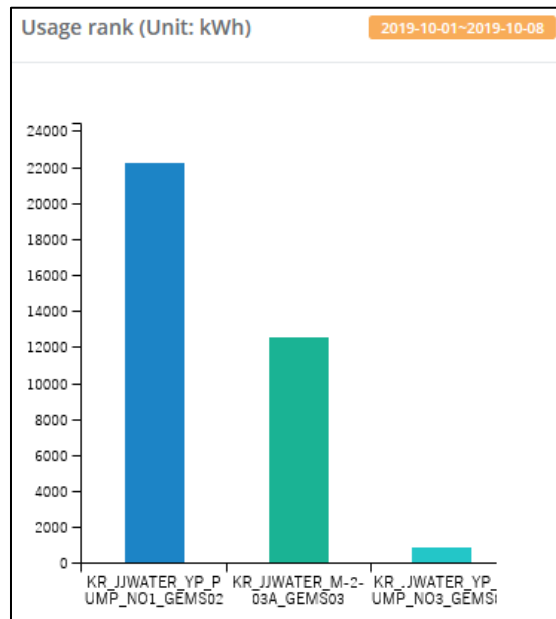


### 3.4 Usage Compare



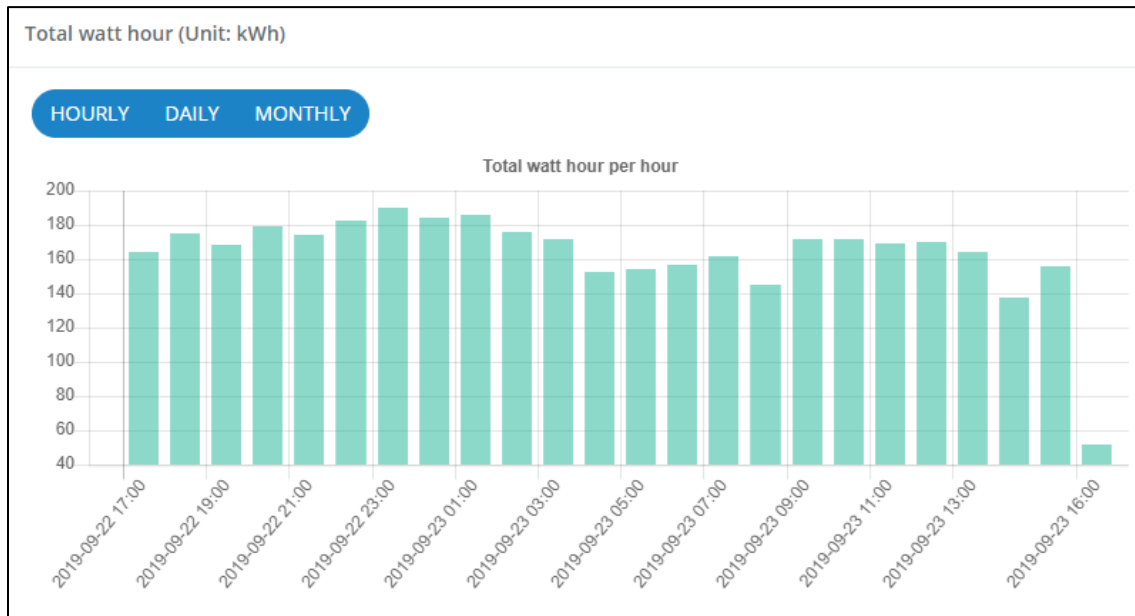
The chart shows total usage from the midnight to the current hour. It compares the usage and running hours of today, previous day and previous week. The unit of usage is kWh and unit of running hours is hour. The reference time is shown in a yellow box.

### 3.5 User Rank



The chart shows usage for a week. A maximum of three equipment will be shown. The unit of usage is kWh. The reference time is shown in a yellow box.

### 3.6 Total Watt Hour



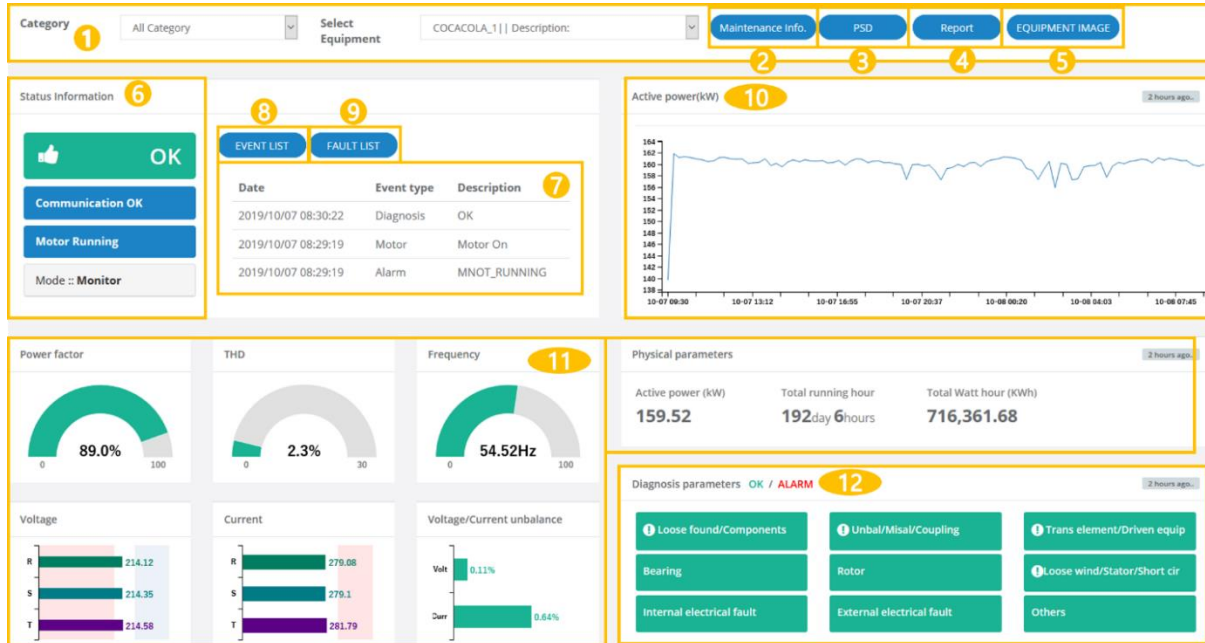
Press [Daily], [Monthly], [Hourly] button and check usage by hour, day and month. It shows the total usage of all equipment that operated at a specific time. The unit of usage is kWh.

### 3.7 Diagnosis List

Real-time Diagnosis List									
Equipment	Update Time	Loose foundation / Components	Unbalance / Misalignment / Coupling	Transmission element / Driven equipment	Bearing	Rotor	Loose windings / Stator / Short circuits	Internal electrical fault	External electrical fault
renault_PS_1	2019-10-25 10:46	OK	OK	OK	OK	Warning	OK	Warning	Warning
renault_PS_2	2019-10-25 10:48	OK	OK	OK	OK	OK	OK	OK	OK

This shows a real-time diagnosis status of all equipment.

## 4. DETAILED INFO



Parameter	Description
[1] Equipment selection	Select an equipment. Only activated equipment are displayed in the list.
[2] Maintenance Info	Show and edit maintenance information on this page. Only admin can see and edit.
[3] PSD chart	The button opens pop-up window that shows PSD (Power Spectral Density) chart of the selected equipment.
[4] Report viewer	The button opens pop-up window that shows diagnosis report of the selected equipment.
[5] Equipment image	The button opens pop-up window that shows registered equipment image. This button appears only for equipment that has completed image registration on setting page of a selected equipment.
[6] Status information	The box shows current status of a selected equipment.
[7] Event list	This table shows current changes in diagnostic status of a selected equipment. A maximum of three changes will be shown.
[8] Event list button	The button opens pop-up window that shows all the status changes.
[9] Fault list button	The button opens pop-up window that shows all the fault existence.
[10] Active power	The chart shows active power of a selected equipment.
[11] Physical parameters	The box shows physical parameters of the selected equipment.
[12] Diagnosis parameters	The box shows diagnosis parameters of the selected equipment.

## 4.1 Equipment selection

Category  Select Equipment

## 4.2 Maintenance Information

Equipment Maintenance

Equipment Information

Equipment Name	Equipment Capacity
Rated Volt	Rated Current
RPM	Frequency

View Add

#	Schedule	Component Name	Component Model	Problem	Exchange Reason	Check Items	Administrator
<input type="checkbox"/> #1	<input type="text" value="10.10.1989"/>	<input type="text" value="Bearing"/>	<input type="text" value="4545"/>	<input type="text" value="ftf"/>	<input type="text" value="maint"/>	<input type="text" value="4"/>	<input type="text" value="1251"/>

MODIFY DELETE

Equipment Info section, list look up and edit section and list add section is shown on a pop-up page. Equipment info section shows name, capacity, voltage, current, RPM and frequency.

On the list look up section, you can look up, modify and delete registered a maintenance data. To modify data, select the check box above the number to be modified, change each item, and press the [MODIFY] button. To delete, select the check box on the number to delete and press the [DELETE] button.

View Add

Schedule

Component Name

Component Model

Problem

Exchange Reason

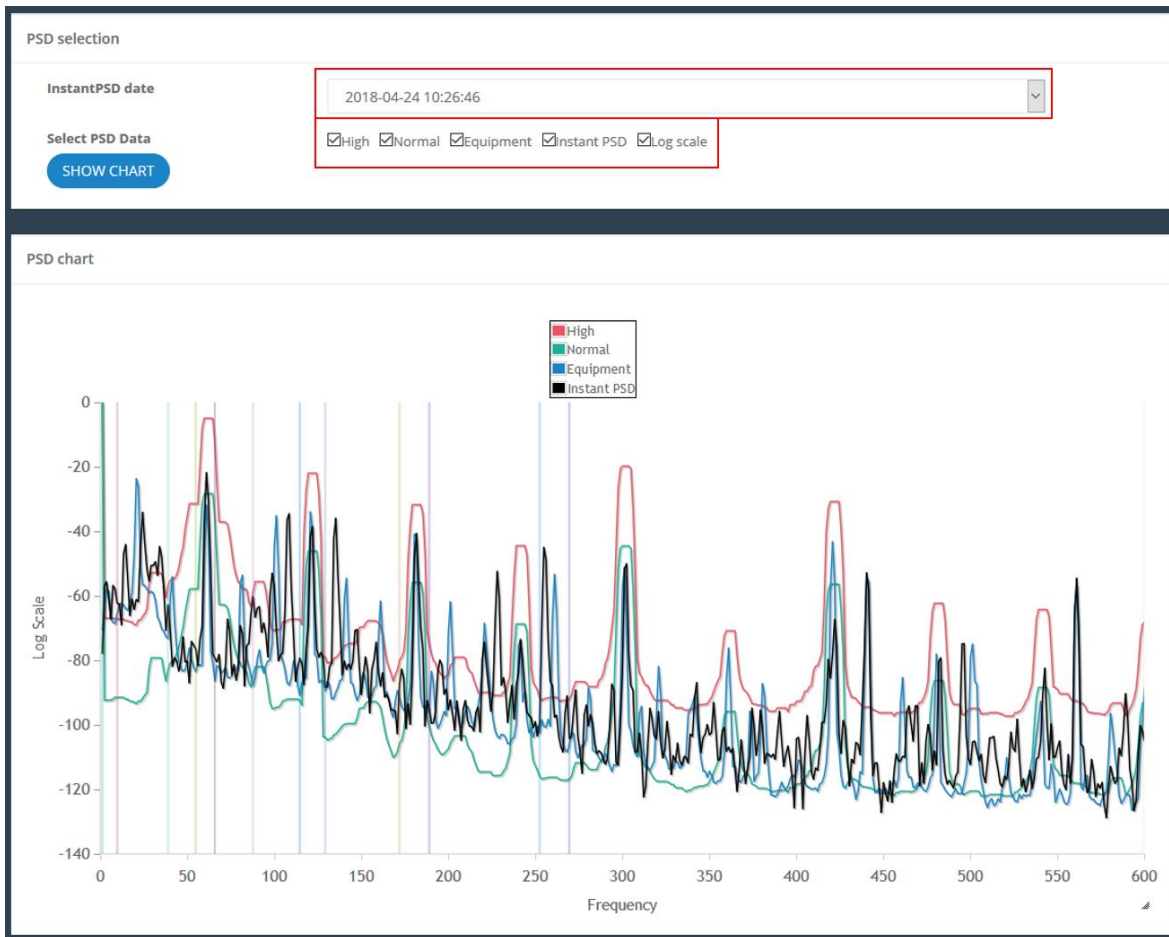
Check Items

Administrator

ADD

On the add section, you can add a maintenance data. Fill up all items and press the [ADD] button.

### 4.3 PSD Chart



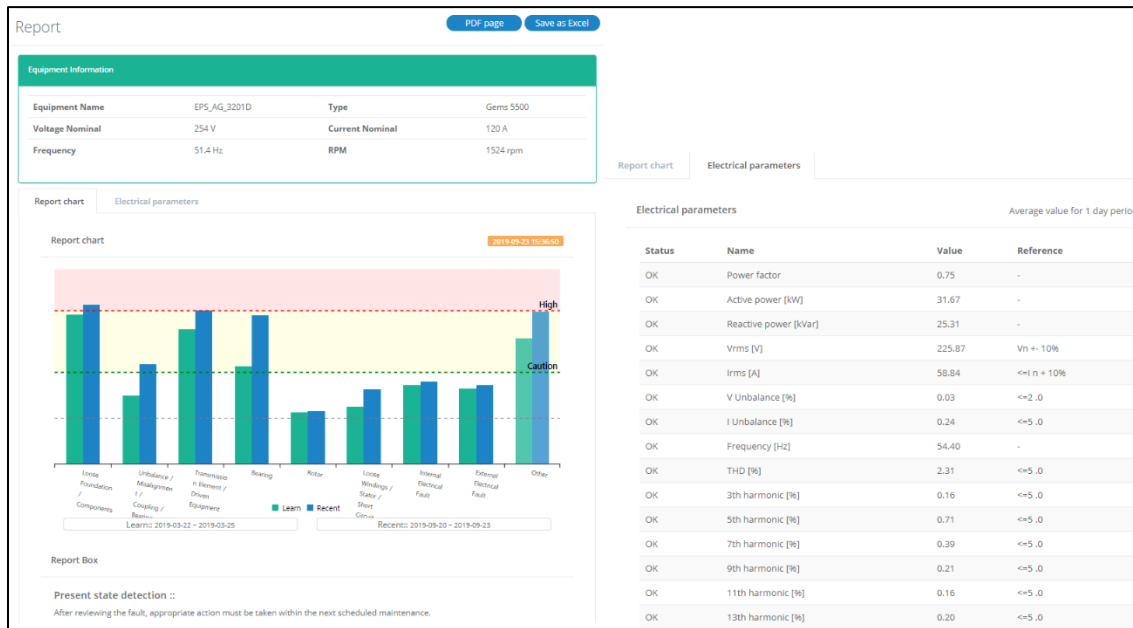
The PSD page presents Power Spectral Density (PSD) plots. Switch between linear and logarithmic amplitude scaling to make it easier to compare different regions of the plot.

The high, normal and equipment curves (which indicate thresholds for abnormal and normal condition based on observations of many different types of equipment) can be switched on and off with the check boxes at the top of the plot controls panel. Zoom controls allow the user to focus on a specific section of the plot.

Below is the list of color and description by item.

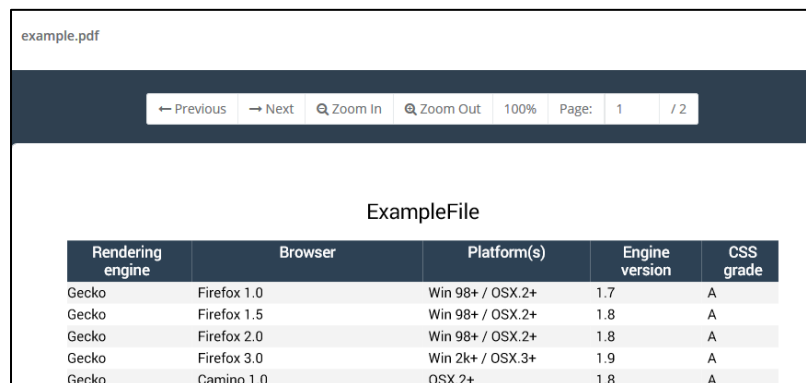
ITEM	COLOR	DESCRIPTION
<b>HIGH</b>	Red	It refers to the abnormal range of the standard model.
<b>NORMAL</b>	Green	It refers to the normal range of the standard model.
<b>EQUIPMENT</b>	Blue	It refers a PSD value acquired through learning.
<b>INSTANT PSD</b>	Black	It refers a PSD value acquired most recently.

## 4.4 Report Viewer



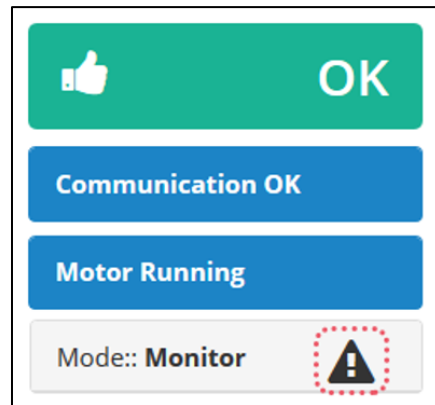
- Equipment information: This shows an equipment's information.
- Report chart: Display data as a graph. The zone under yellow indicates that the data is [Normal]. The yellow zone indicates fault level of [Caution]. The red zone indicates fault level of [High].
- In the chart, green bar represents [Learn data] and blue means [Recent data].
- The yellow box shows when the data has been updated. If the time exceeds a day, the box turns gray.
- Electrical parameters: This shows the measured voltage, current, etc.
- PDF page button: Moves to the PDF downloadable screen.
- Save as Excel: Provides report data numerically as Excel file.

## 4.5 Equipment Image



PDF Viewer to show a registered equipment image.

## 4.6 Status Information



It shows diagnostic status, communication status, working status and mode of the equipment. The exclamation mark (!) icon means that the equipment is in an abnormal state. Press the icon and check details.

- First box shows diagnostic status. There is image by status.

STATUS	IMAGE
NO DATA/STOP	STOPPED
LEARNING	Learning
OK	OK
WATCH LINE	Watch Line
WATCH LOAD	Watch Load
EXAMINE1	Examine 1
EXAMINE2	Examine 2

- Second box shows communication status. There is image by status.

STATUS	DESCRIPTION	IMAGE
COMM OK	Communication is OK.	Communication OK
COMM ERROR	Communication has error.	Communication error

- Third box shows working status. There is image and description by status.

STATUS	DESCRIPTION	IMAGE
RUNNING	Motor is running.	RUNNING
STOP	Motor stopped.	STOP

- Fourth box shows working status. Below is the list of descriptions by mode.

MODE	DESCRIPTION
IDLE	Idle state
CHECK	Check state
LEARN	Learn state
IMPROVE	Learn improve state
MONITOR	Monitoring state
UPDATE	Update state

- This pop-up page shows up when the user clicks the exclamation mark icon

Description	
Type	Name
Error	MEMALLOC
Error	ZERO_DIVISION
Alarm	VBALANCE
Alarm	IBALANCE
Warning	PHASE ORDERING

- Warning descriptions

WARNING	DESCRIPTION
FREQUENCY RANGE	The measured frequency was different than the LEARN frequency.
RESIDUAL	An unexpectedly large value was calculated for the modeling error. This is generally an indication of an unstable line condition.
DATA LENGTH	Values for some quantities were checked and found to be outside their allowable limits.
PHASE ORDERING	Phase ordering is different from the values set.
UNSTABLE SYSTEM	Instability was detected for the system.

- Alarm descriptions

ALARM	DESCRIPTION
VBALANCE	Voltage phase imbalance exceeds the set threshold.
IBALANCE	Current phase imbalance exceeds the set threshold.
V0_RMS_HIGH	R Phase voltage greater than the upper threshold.
V1_RMS_HIGH	S Phase voltage greater than the upper threshold.
V2_RMS_HIGH	T Phase voltage greater than the upper threshold.
V0_RMS_LOW	R Phase voltage less than acceptable (No voltage) limit.
V1_RMS_LOW	S Phase voltage less than acceptable (No voltage) limit.
V2_RMS_LOW	T Phase voltage less than acceptable (No voltage) limit.
I0_RMS_HIGH	R Phase current exceeds upper threshold limit.
I1_RMS_HIGH	S Phase current exceeds upper threshold limit.
I2_RMS_HIGH	T Phase current exceeds upper threshold limit.
MNOT_RUNNING	All currents were measured below their acceptable (No current) limits. Motor is not running.
MCON_FAULT	One or more currents were measured below their acceptable limits.

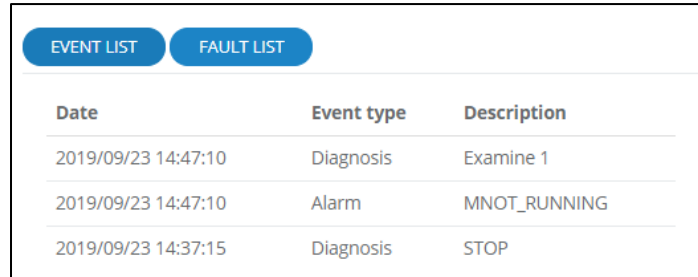


<b>LINE_FAULT</b>	One or two voltage phases were compatible with zero (below No voltage limit).
<b>POWER_FAULT</b>	All the voltage phases were compatible with zero (below No voltage limit).
<b>UNSTBL_LINE</b>	The power lines were not sufficiently stable to allow the algorithm to obtain data (amplitude and frequency variations of current and voltage were excessive).
<b>GENERAL_ALARM</b>	General fault consisting of one or more of: 1) No data obtained 2) No zero crossings detected 3) Perfect phase balance (voltage or current)
<b>PHASE_ORDER</b>	The phase ordering used by diagnosis module is incorrect and must be rectified.
<b>PHASE_ERROR</b>	Voltage phase angles incompatible with 120° were detected.
<b>PHASE_ANGLE</b>	The measured phase angle between corresponding voltage and current channels was not in the range: $0 \leq \phi \leq \pi/2$
<b>CURR_PHASE_ERROR</b>	The ordering of the current phases was different than that of the voltage phases or the angle between two phases was not 120°
<b>DATAcq_ERROR</b>	Division by zero was attempted during data acquisition.
<b>RANGE_ERROR</b>	An invalid value was detected for one or more of the following quantities during data acquisition: 1) Calibration constants 2) balance values 3) admittance 4) Estimated physical parameters
<b>FREQUENCY_RANGE</b>	(CHECK MOTOR and LEARN only). The measured frequency differed from the nominal value.
<b>FREQUENCY_TOL</b>	Invalid value for the mean frequency
<b>NOISY_DATA</b>	The estimated admittance is inconsistent with the measured RMS values for voltage and current. This usually indicates excessive noise in the data.

➤ Error descriptions

<b>ERROR</b>	<b>DESCRIPTION</b>
<b>ERR_NONE</b>	No error
<b>ERR_MEM_ALLOC</b>	The dynamic memory manager failed in a request to allocate a block of memory.
<b>ERR_UNEXPECTED</b>	An unexpected or general error occurred.
<b>ERR_ZERO_DIVISION</b>	The algorithm attempted to perform a division by zero.
<b>ERR_FLASH_WRITE</b>	There was an error attempting to write to flash.
<b>ERR_ILLEGAL_SQRT</b>	The algorithm attempted to form the square root of a negative number.
<b>ERR_INITIALIZATION</b>	Initialization was not properly finished, or an error occurred.
<b>ERR_NO_DATA</b>	There is no data present.
<b>ERR_DATAcq</b>	An error occurred during data acquisition causing insufficient data to be acquired.
<b>ERR_PARAMETER</b>	An illegal value was calculated for an algorithm parameter.
<b>ERR_FLASHFAIL</b>	An attempt to read or write from the flash RAM gave an error indicating a faulty flash.
<b>ERR_CLUSTERUPDATE</b>	An illegal cluster value was detected.
<b>ERR_RECOVERY</b>	Data stored in the flash RAM is corrupted and cannot be used.
<b>ERR_STABILITY</b>	Clusters used by the algorithm are inherently unstable.
<b>ERR_VOLTAGERANGE</b>	An illegal voltage value was detected.

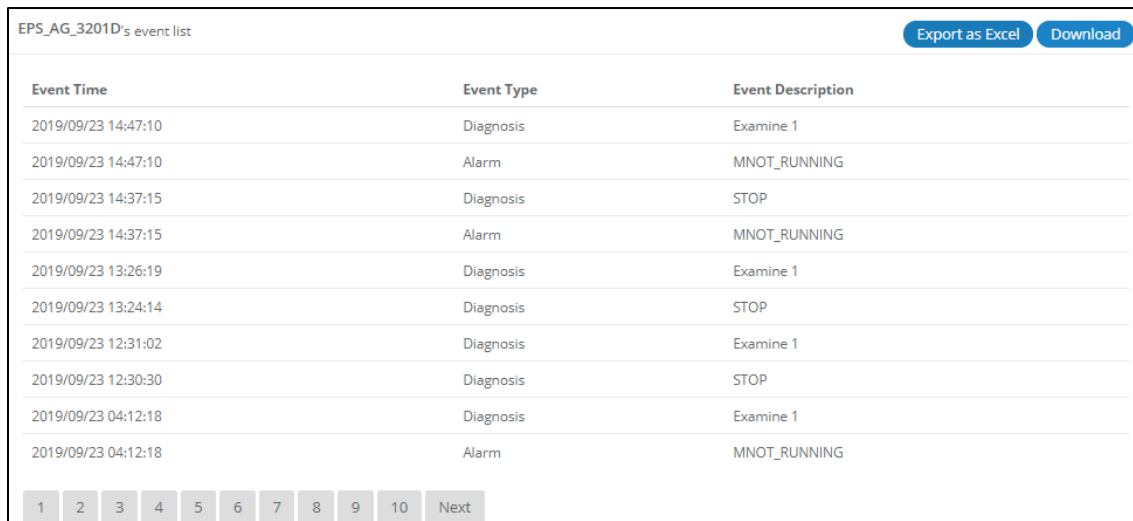
## 4.7 Event List



Date	Event type	Description
2019/09/23 14:47:10	Diagnosis	Examine 1
2019/09/23 14:47:10	Alarm	MNOT_RUNNING
2019/09/23 14:37:15	Diagnosis	STOP

This section shows recent event occurrences. Press [EVENT LIST] button to check the entire event status from the start of the activation to the recent.

## 4.8 Event List Button



Event Time	Event Type	Event Description
2019/09/23 14:47:10	Diagnosis	Examine 1
2019/09/23 14:47:10	Alarm	MNOT_RUNNING
2019/09/23 14:37:15	Diagnosis	STOP
2019/09/23 14:37:15	Alarm	MNOT_RUNNING
2019/09/23 13:26:19	Diagnosis	Examine 1
2019/09/23 13:24:14	Diagnosis	STOP
2019/09/23 12:31:02	Diagnosis	Examine 1
2019/09/23 12:30:30	Diagnosis	STOP
2019/09/23 04:12:18	Diagnosis	Examine 1
2019/09/23 04:12:18	Alarm	MNOT_RUNNING

You can move to the page with a number button at the bottom.

This shows the event list for the entire period. Click [Export as Excel] button to create [Download] button. Click [Download] button to download the event list of the last 30 days as Excel file.

➤ Event type descriptions

TYPE	DESCRIPTION
DIAGNOSIS	Diagnosis status
ERROR	Error refers to failures of the MCM hardware and firmware rather than the monitored motor or generator. When the MCM identifies an error condition it makes several attempts to recover, and only after these attempts fail an error message is generated. All errors stop the MCM from functioning and must be cleared before proceeding further. Errors are indicative of a serious problem within the MCM and their source should always be investigated. An error indication consists of two parts: firstly, the displayed error string; and secondly the associated error number. When reporting equipment malfunctions, please be sure to include both the message and its associated number. Please refer to the appendix for a full list of error messages.
ALARM	Alarm provides information specific to the motor being monitored. It indicates faults caused by incorrect connections to the motor, the supplied line voltage and/or motor currents being outside the specified limits and other conditions that can prevent the MCM from correctly determining the condition of the motor or generator. Alarms do not cause the MCM to stop monitoring completely but are generally indications that there is a problem that should be investigated and corrected before the MCM can function to its full capability. For instance, if the motor stopped MCM will yield a “Motor Not Running” alarm (Alarm 0x800) and MCM will not process the data until it starts running again. Once the motor starts, MCM will automatically detect the state and continue from where it left.
WARNING	Warning informs the user that non-critical conditions have arisen that the user should be aware of but do not affect the performance of the MCM.
COMMUNICATION	It shows communication status.
PROTECTION	It shows protection changes.

## 4.9 Fault list

Fault Time	Fault Description
2019-09-23	Loose found/Components, Trans element/Driven equip, Bearing, Unbal/Misal/Coupling,
2019-09-22	Loose found/Components, Trans element/Driven equip, Bearing, Unbal/Misal/Coupling,
2019-09-21	Loose found/Components, Unbal/Misal/Coupling, Trans element/Driven equip, Bearing,
2019-09-20	Loose found/Components, Unbal/Misal/Coupling, Trans element/Driven equip, Bearing,
2019-09-19	Loose found/Components, Trans element/Driven equip, Unbal/Misal/Coupling, Bearing,
2019-09-18	Loose found/Components, Trans element/Driven equip, Bearing,
2019-09-17	Loose found/Components, Trans element/Driven equip, Unbal/Misal/Coupling, Bearing,
2019-09-16	Loose found/Components, Unbal/Misal/Coupling, Trans element/Driven equip, Bearing,
2019-09-12	Loose found/Components, Unbal/Misal/Coupling, Trans element/Driven equip, Bearing,
2019-09-11	Loose found/Components, Unbal/Misal/Coupling, Trans element/Driven equip, Bearing, Internal electrical fault, External electrical fault,

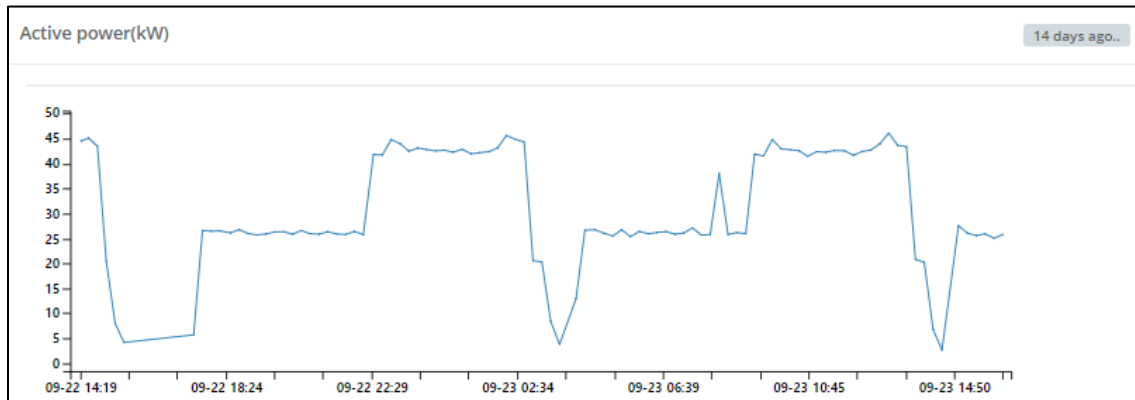
On [Fault] tab, it shows the daily fault diagnostics for the entire period. Click [Export as Excel] button to create [Download] button. Click [Download] button to download the fault diagnosis list of the last 30 days as Excel file.

Fault		Event
EPS_AG_3201D's event list		<a href="#">Export as Excel</a>
Event Time	Event Description	
2019-09-23	Examine 1	
2019-09-22	Examine 1	
2019-09-21	Examine 1	
2019-09-21	Watch Line	
2019-09-20	Examine 1	
2019-09-19	Examine 1	
2019-09-18	Examine 1	
2019-09-17	Examine 1	
2019-09-16	Examine 1	
2019-09-12	Examine 1	

1 2 3 4 5 6 7 8 9 10 Next

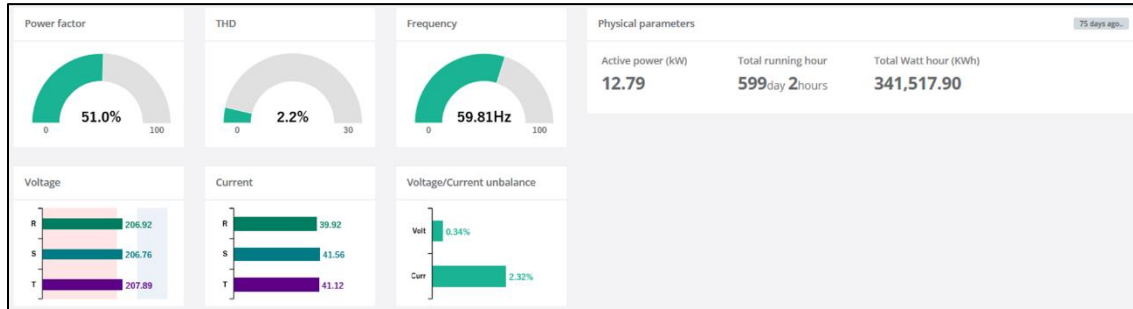
On [Event] tab, it shows only Watch Line / Watch Load / Electrical Fault / Mechanical Fault / Examine1 / Examine2 from the list of events that occurred during the entire period. Click [Download] button to download the event list of the last 30 days as Excel file.

#### 4.10 Active Power



The chart shows active power changes in real-time. The yellow box shows when the data has been updated. If the time exceeds 15 minutes, the box turns gray.

## 4.11 Physical Parameters



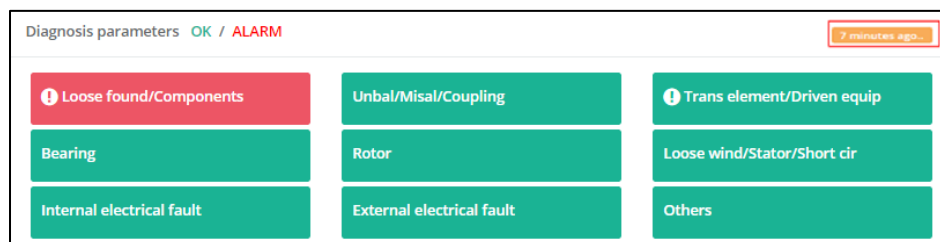
It displays real-time physical parameters of an equipment. The yellow box shows when the data was updated. If the time exceeds 15 minutes, the box turns gray.

Each parameter has a set high or low limit value. The line with a text 'Low' is low limit, the line with a text 'High' is high limit. If the end of the bar graph is in red or blue, it indicates an anomaly. It's normal when it is within white. If no ranges are written on the chart, then check the bar of the graph. It's normal when it is green. If the bar is red, that means out-of-range.

- Below is the list of references by parameter. Check the equipment when it's out-of-range.

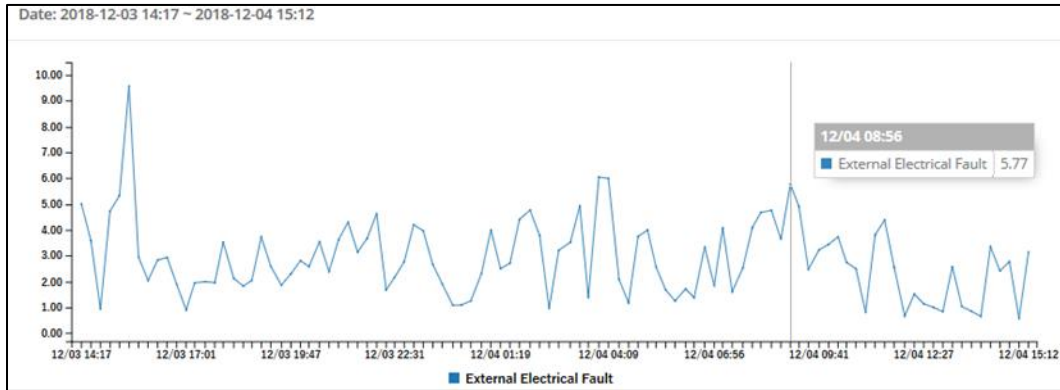
PARAMETER	REFERENCE
POWER FACTOR (%)	-
THD (%)	<= 5.0
FREQUENCY (HZ)	-
VOLTAGE	Minimum: Vn -10% / Maximum: Vn +10% (for line driven)
CURRENT	<= in +10 %
VOLTAGE BALANCE	<= 2.0
CURRENT BALANCE	<= 5.0

## 4.12 Diagnosis parameter



If the user wants to check the full name of the item, mouse hover on the box. The box turns red when alarm occurred. The exclamation mark (!) icon means the parameter has existing fault. The yellow box shows when the data has been updated. If the time exceeds 15 minutes, the box turns gray.

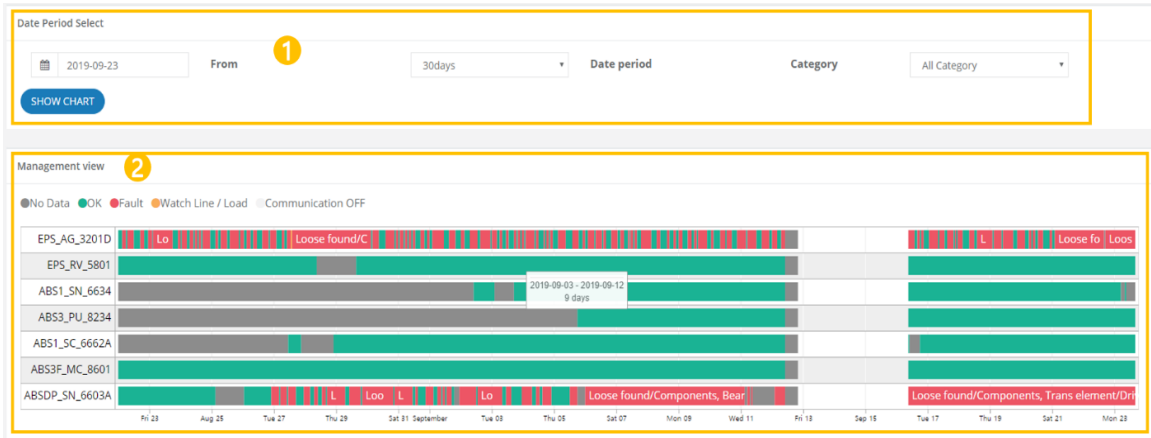
The latest 1344 (about a month) data are drawn in chart when the box is clicked.



➤ Below is the list of descriptions by parameter.

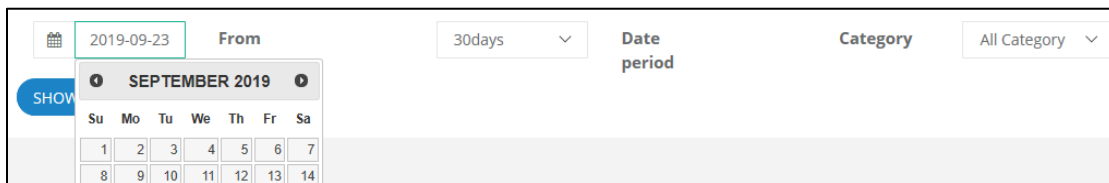
PARAMETER	DESCRIPTION
<b>LOOSE FOUNDATION/ COMPONENTS</b>	Check for loose motor foundation, loose motor components, looseness or excessive tolerances in driven components. Mechanical faults such as misalignment, physical looseness and imbalance not only adversely affect a motor's performance and longevity but also its efficiency.
<b>ROTOR</b>	Rotor problem. Check for cracked or loose rotor / rotor bars.
<b>UNBALANCE/ MISALIGNMENT/ COUPLING</b>	Misalignment / unbalance. Check for Misalignment, unbalance, bearing, coupling, and motor shaft. Correct shaft alignment ensures the smooth, efficient transmission of power from the motor to the driven equipment.
<b>EXTERNAL ELECTRICAL FAULT</b>	External electrical fault. Check for cabling problems, contactor problems, compensation system, and bad motor connections. Voltage imbalance, over- and under-voltage, low power factor, undersized conductors, leakage to ground, and poor connections—can account for up to 4% of total plant electrical energy consumption.
<b>INTERNAL ELECTRICAL FAULT</b>	Internal electrical fault. Check for rotor / stator problems, short circuits, isolation problems, winding slackness, etc. Heating and increased resistance due to stator, rotor and other electrical faults cause deteriorating conditions and reduced efficiency.
<b>TRANSMISSION ELEMENT/ DRIVEN EQUIPMENT</b>	Transmission problem. Check for transmission element(s) coupling, driven equipment, belt, pulley, gear box, and fan / pump impeller. Efficiency is dependent on pulley size, driven torque, under or over belting, and V belt design and construction. Efficiency deteriorates by as much as 5% over time if slippage occurs.
<b>BEARING</b>	Bearing Problem. Bearing(s) should be checked. The presence of bearing defects often results in reduced efficiency, or even severe damage, of the motor under consideration.
<b>LOOSE WINDINGS/ STATOR/ SHORT CIRCUITS</b>	Stator related problem. Check for stator, short circuit, winding slackness, isolation problems, and partial discharge. Heating and increased resistance due to stator, rotor and other electrical faults cause deteriorating conditions and reduced efficiency.
<b>OTHERS</b>	PSD (Power Spectral Density) plot indicates abnormalities. Faults should be identified by checking trends and frequency spectrum.

# 5. MANAGEMENT



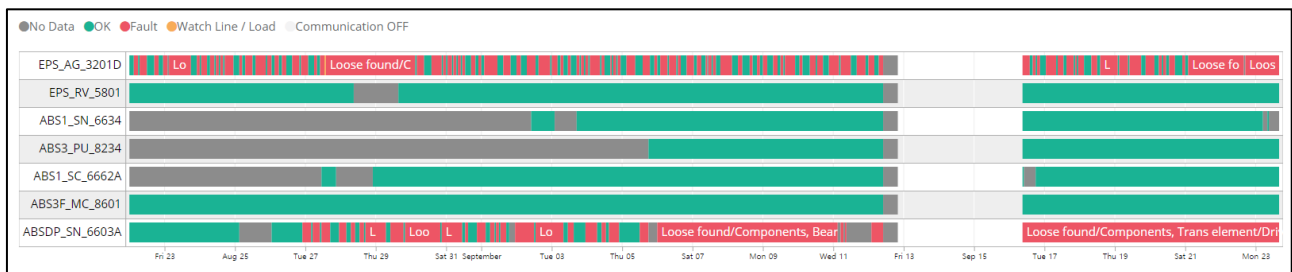
- ① This is a screen where you can select the time interval to view the entire list of equipment status.
- ② This is a screen where you can check the status of the entire list of equipment as a chart composed of timelines.

## 5.1 Date Period Selection



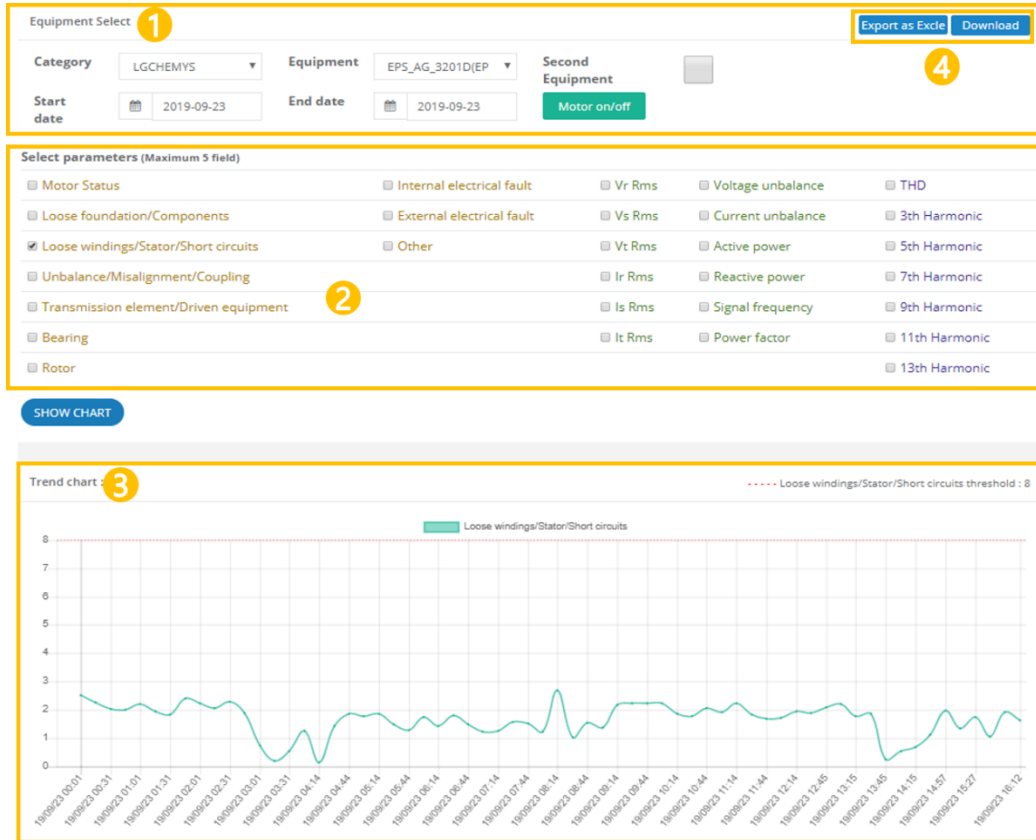
The current date is selected by default and you can set the base date with the mouse. Days after current date cannot be selected. The drop-down menu on the right lets you choose how many days of data to view on a given day. You can view at least 1 day and up to 30 days.

## 5.2 Management View



Each state is colored. You can check the color by status at the top of the chart. The data to the right is the latest data. Hover over the Fault state to see the fault entry.

## 6. TREND



This shows various parameters about a specific equipment at a glance as a trend chart. Selectable items vary depending on the type of equipment.

No	Section	Description
1	Equipment and date selection	Select equipment and date. Second chart is selectable.
2	Select parameters	Selectable parameters by equipment are displayed. Maximum 5 parameters.
3	Trend chart	This shows the chart of the selected equipment, period and parameters.
4	Export as Excel	Export data of selected fixtures and dates to Excel.

### 6.1 Select Equipment and Dates

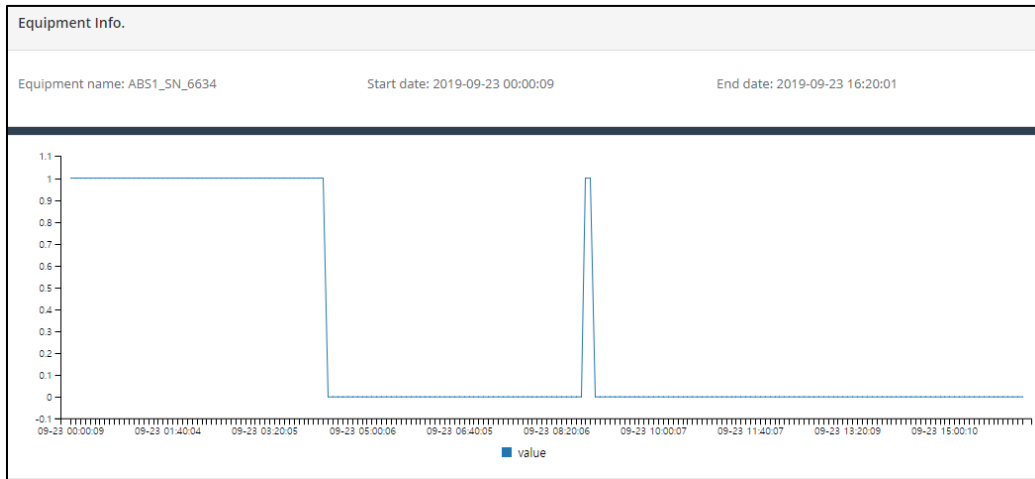
The screenshot shows the equipment selection form with the following fields:

- Category**: LGCHEMYS
- Equipment**: EPS\_AG\_3201D(EPS!
- Second Equipment**:
- Category2**: LGCHEMYS
- Equipment2**: EPS\_AG\_3201D(EPS!
- Start date**: 2019-09-23
- End date**: 2019-09-23
- Motor on/off**:

Selecting an equipment automatically sets the minimum selectable date (lower left) and the maximum date (lower right). The current date is selected by default and set the base date with the mouse. Days after current date cannot be selected. Check [Second equipment] and select a second chart for comparison. Only equipment of the same type with first one can be selected.



- Press the [Motor ON/OFF] button to check the ON / OFF status of the equipment.



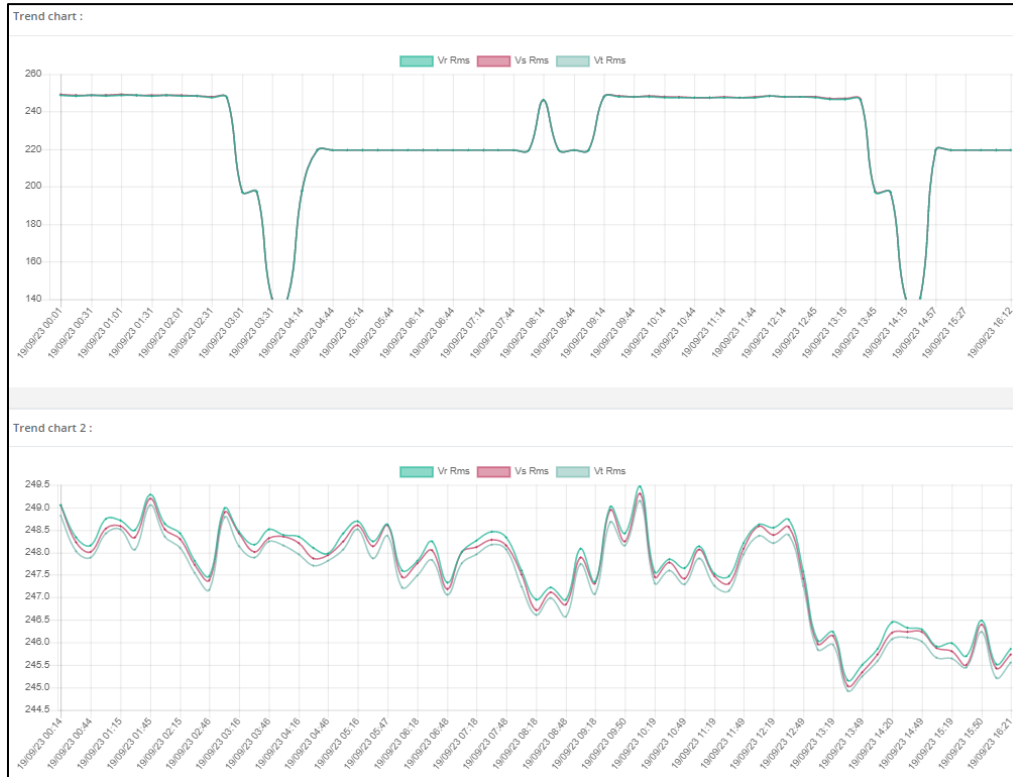
## 6.2 Select Parameters

Select parameters (Maximum 5 field)

<input type="checkbox"/> Motor Status	<input type="checkbox"/> Internal electrical fault	<input type="checkbox"/> Vr Rms	<input type="checkbox"/> Voltage unbalance	<input type="checkbox"/> THD
<input type="checkbox"/> Loose foundation/Components	<input type="checkbox"/> External electrical fault	<input type="checkbox"/> Vs Rms	<input type="checkbox"/> Current unbalance	<input type="checkbox"/> 3th Harmonic
<input checked="" type="checkbox"/> Loose windings/Stator/Short circuits	<input type="checkbox"/> Other	<input type="checkbox"/> Vt Rms	<input type="checkbox"/> Active power	<input type="checkbox"/> 5th Harmonic
<input type="checkbox"/> Unbalance/Misalignment/Coupling		<input type="checkbox"/> Ir Rms	<input type="checkbox"/> Reactive power	<input type="checkbox"/> 7th Harmonic
<input type="checkbox"/> Transmission element/Driven equipment		<input type="checkbox"/> Is Rms	<input type="checkbox"/> Signal frequency	<input type="checkbox"/> 9th Harmonic
<input type="checkbox"/> Bearing		<input type="checkbox"/> It Rms	<input type="checkbox"/> Power factor	<input type="checkbox"/> 11th Harmonic
<input type="checkbox"/> Rotor				<input type="checkbox"/> 13th Harmonic

Select the parameter you want to plot after the date and equipment selection.

### 6.3 Chart



This chart is displayed when all equipment, dates and elements are selected. You can make it visible or invisible by clicking the name of the element located at the top center. Magnification is not supported.

If you select only one diagnostic item, the value of that item will not rise above 50. To see raw data that is not limited to 50, Select two or more diagnostics.

# 7. Report All Equipment

2019-10 's report
1

Usage: 37,095.79kWh 2



■ KR\_JJWATER\_YP\_PUMP\_NO1\_GEM502
 ■ KR\_JJWATER\_M-2-Q3A\_GEM503
 ■ KR\_JJWATER\_YP\_PUMP\_NO3\_GEM501

Usage rank 3

Rank	Name	Usage	Run hours
#1	KR_JJWATER_YP_PUMP_NO1_GEM502	23,370.24	177 hours 2 minutes
#2	KR_JJWATER_M-2-Q3A_GEM503	12,825.26	166 hours 44 minutes
#3	KR_JJWATER_YP_PUMP_NO3_GEM501	900.29	6 hours 29 minutes

Alarm occurrence 4

Name	Alarm times
KR_JJWATER_M-2-Q3A_GEM503	25 times
KR_JJWATER_YP_PUMP_NO1_GEM502	99 times
KR_JJWATER_YP_PUMP_NO3_GEM501	8 times

Alarmed device count: 3 5



Weekly usage (kWh) 6



Active power peak chart (kW) 7



Daily usage and running hours (y1: kWh, y2: Hours) 8



Daily summary 9 Export monthly summary as Excel

Date	Alarm(Times)	Usage(kWh)	Running hours	Average power factor (%)	Average active power (kW)	Maximum active power (kW)
01	35	4,603.58	41 hours 58 minutes	53.71	58.92	79.14
02	23	4,784.78	43 hours 55 minutes	49.66	55.86	79.29
03	13	5,017.43	47 hours 57 minutes	58.50	62.58	79.48
04	12	5,014.16	47 hours 50 minutes	58.48	62.46	79.50
05	19	5,473.57	51 hours 26 minutes	56.44	60.55	79.31
06	11	5,364.24	50 hours 48 minutes	55.73	59.42	76.67
07	13	4,956.35	47 hours 58 minutes	58.53	60.95	76.83
08	6	1,881.67	18 hours 21 minutes	58.70	60.97	76.84
09	-	-	-	-	-	-
10	-	-	-	-	-	-

27

No	Section	Description
1	Date selection	Select the report for the whole month by month.
2	Usage chart	This shows the percentage of usage of each equipment.
3	Usage rank	This shows the usage ranking of the whole equipment.
4	Alarm occurrence status	This table shows the number of alarm occurrences of the entire equipment.
5	Alarmed equipment counts	This shows how many equipment have alarmed on selected month.
6	Weekly usage	This shows the usage of the entire equipment by day.
7	Active power peak chart	This chart shows the daily active power peak of the month.
8	Daily usage and running hours chart	This show daily usage and uptime for entire equipment.
9	Daily summary table	You can see the daily summary table of the all equipment.

## 7.1 Date Selection

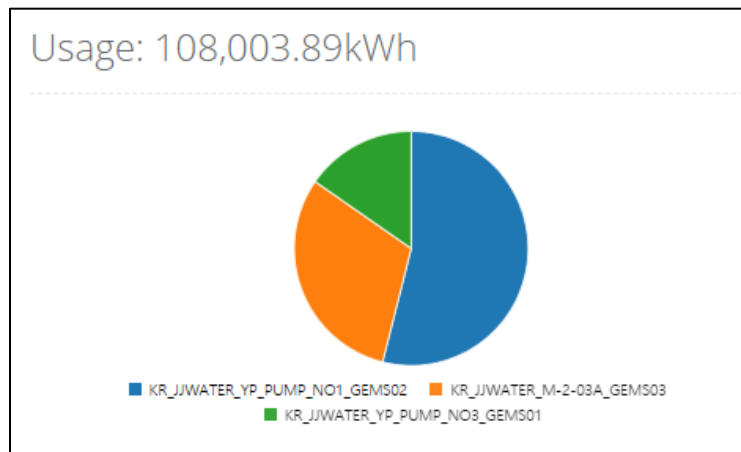
2019-09

▼

's report

Select the report of the month. Only months in which data exists are displayed in the selection drop down.

## 7.2 Usage Chart



You can check the usage ranking of the equipment. Up to 10 equipment appear.

### 7.3 Usage Ranking

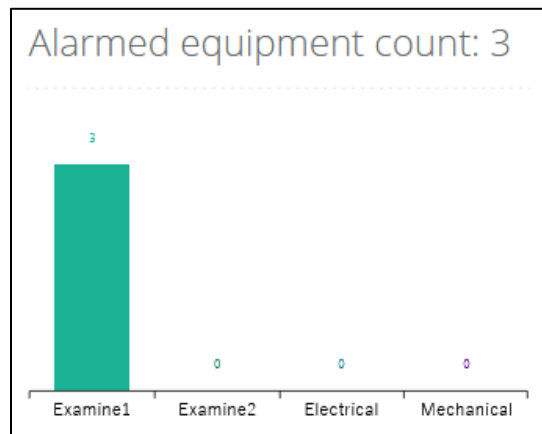
Rank	Name	Usage	Run hours
#1	KR_JJWATER_YP_PUMP_NO1_GEMS02	58,255.04	445 hours 22 minutes
#2	KR_JJWATER_M-2-03A_GEMS03	33,190.29	429 hours 57 minutes
#3	KR_JJWATER_YP_PUMP_NO3_GEMS01	16,558.56	119 hours 46 minutes

It shows the usage ratio of each equipment. The total usage is shown at the top.

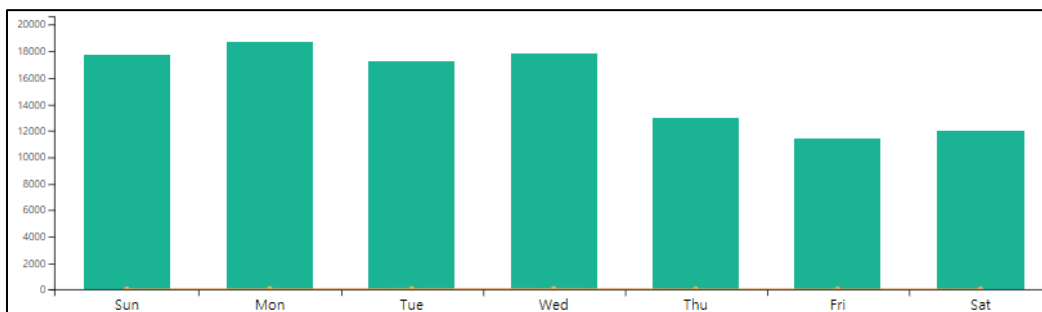
### 7.4 Alarm Occurrence Status

Name	Alarm times
KR_JJWATER_M-2-03A_GEMS03	285 times
KR_JJWATER_YP_PUMP_NO1_GEMS02	188 times
KR_JJWATER_YP_PUMP_NO3_GEMS01	31 times

### 7.5 Alarmed equipment counts

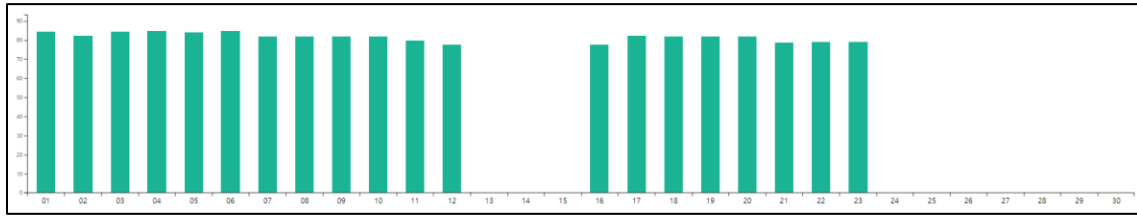


### 7.6 Weekly usage



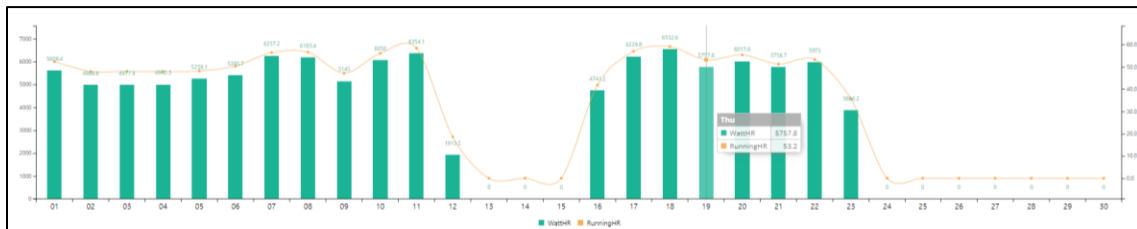
This shows the total usage per day (green bar) and the average per hour of the day (orange line). Hover over the mouse to see the exact usage.

## 7.7 Active Power Peak Chart



This shows the highest active power by day. Regardless of the type of equipment, only the highest peak is shown. If you hover over it, you can see in which equipment the peak occurred.

## 7.8 Daily Usage and Running Hours



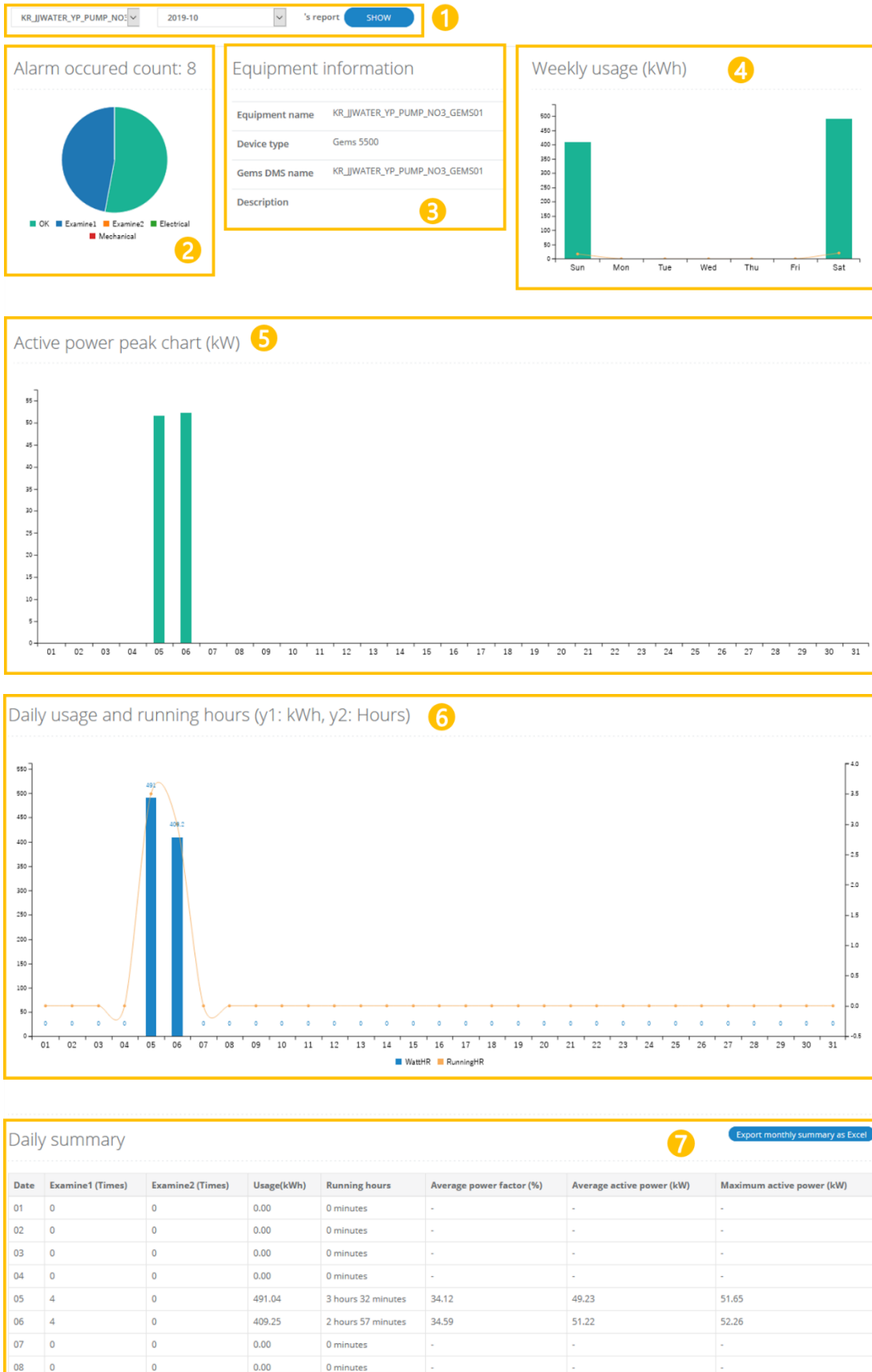
This shows a daily usage and uptime for the selected month. Hover over the number to see the day of the week, exact usage, and uptime.

## 7.9 Daily Summary Table

Daily summary <span style="float: right;"><a href="#">Export monthly summary as Excel</a></span>						
Date	Alarm(Times)	Usage(kWh)	Running hours	Average power factor (%)	Average active power (kW)	Maximum active power (kW)
01	36	5,609.41	52 hours 21 minutes	52.85	59.20	84.47
02	41	4,986.56	47 hours 51 minutes	58.00	61.89	82.35
03	47	4,977.92	47 hours 38 minutes	58.82	62.07	84.38
04	41	4,992.32	47 hours 55 minutes	58.55	62.57	84.58
05	24	5,258.12	48 hours 14 minutes	54.20	58.81	84.17
06	33	5,395.67	50 hours 26 minutes	55.72	59.93	84.73
07	28	6,257.20	56 hours 26 minutes	52.89	58.94	81.88
08	16	6,183.41	56 hours 36 minutes	54.07	59.27	81.79
09	4	5,144.98	47 hours 13 minutes	52.96	58.40	81.91
10	15	6,055.98	56 hours 3 minutes	55.03	59.37	81.99

The table shows a daily error occurrence status, usage, uptime, average power factor, average active power, and maximum active power at a glance. If no data exists, a – mark is displayed on table.

## 8. REPORT – INDIVIDUAL EQUIPMENT



No	Section	Description
1	Date and Equipment Selection	Select a report for a specific equipment monthly.
2	Equipment Description	This shows the description of the selected equipment.
3	Status of alarm occurrence	This shows the alarm occurrence rate of the equipment.
4	Weekly usage	This shows the usage of the equipment by day.
5	Active power peak chart	This shows the daily active power peak of the month.
6	Daily usage and running hours chart	This show daily usage and uptime for the month.
7	Daily summary table	This shows the daily summary table of the whole equipment.

### 8.1 Date and equipment select

renault\_PS\_1
▼

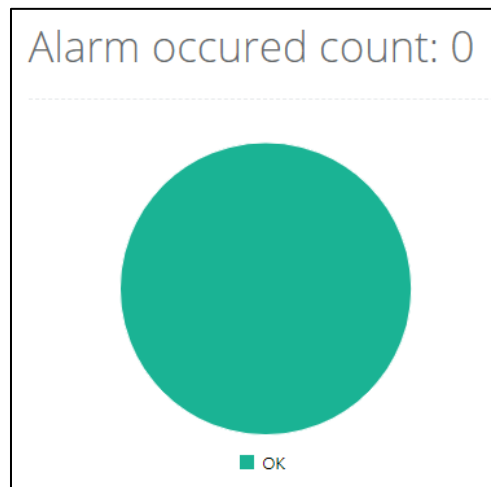
2019-09
▼

's report

SHOW

You can check the report for a specific month for a specific equipment. Only the months and equipment for which data is present appear in the selection window.

### 8.2 Alarm Occurrence Status



This the alarm occurrence rate and frequency of the selected equipment.

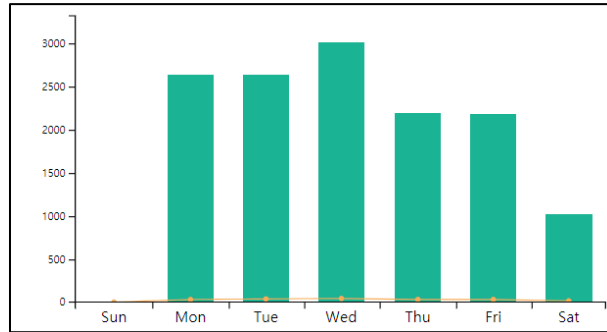
### 8.3 Equipment Description

Equipment name	renault_PS_1
Device type	Gems 5500
Gems DMS name	IgServer_ch10_Device_1
Description	

This shows the name, type, AES name and description of the equipment.

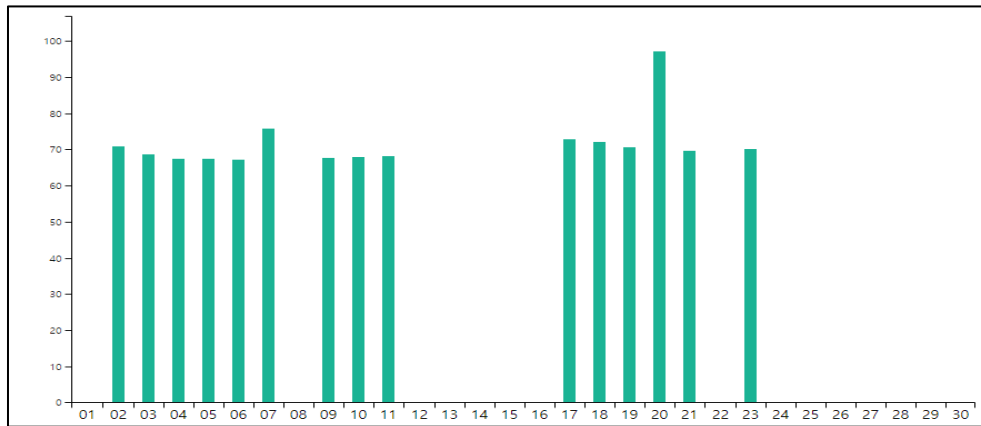


## 8.4 Weekly Usage



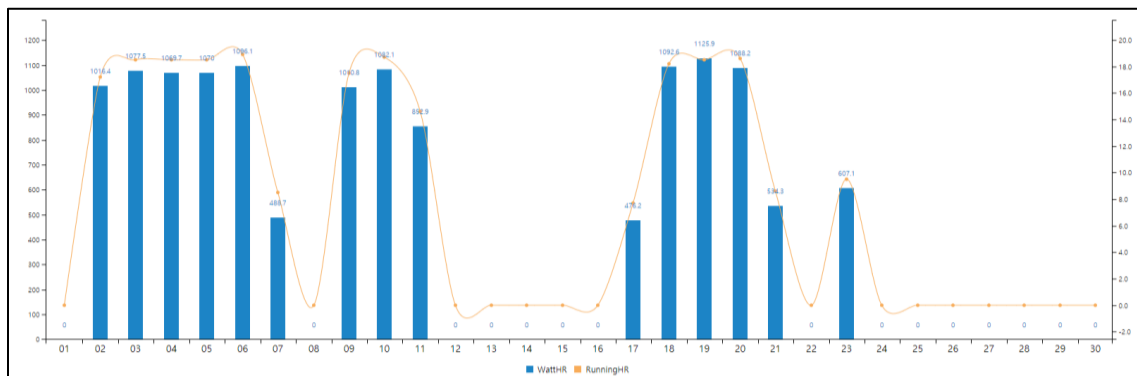
This shows the usage by day of the week. Hover over the graph to see the exact usage.

## 8.5 Active Power Peak Chart



This chart shows the highest active power by day.

## 8.6 Daily Usage and Uptime



This chart shows daily usage and uptime for the selected month. Hover over the number to see the day of the week, exact usage, and uptime.

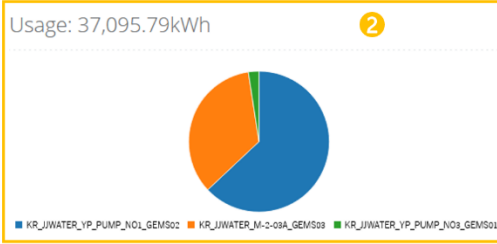
## 8.7 Daily Summary Table

Daily summary <a href="#">Export monthly summary as Excel</a>							
Date	Examine1 (Times)	Examine2 (Times)	Usage(kWh)	Running hours	Average power factor (%)	Average active power (kW)	Maximum active power (kW)
01	0	0	0.00	0 minutes	-	-	-
02	0	0	1,016.38	17 hours 11 minutes	82.03	67.38	70.90
03	0	0	1,077.49	18 hours 32 minutes	81.97	67.06	68.52
04	0	0	1,069.71	18 hours 30 minutes	81.90	66.70	67.46
05	0	0	1,070.02	18 hours 32 minutes	81.93	66.74	67.40
06	0	0	1,096.10	18 hours 56 minutes	81.91	66.53	67.13

The table shows daily error occurrence status, usage, uptime, average power factor, average active power, and maximum active power at a glance. If no data exists, a – mark is displayed on table.

# 9. REPORT – CATEGORY

2019-10 | JEJU\_WATER | 's report | SHOW

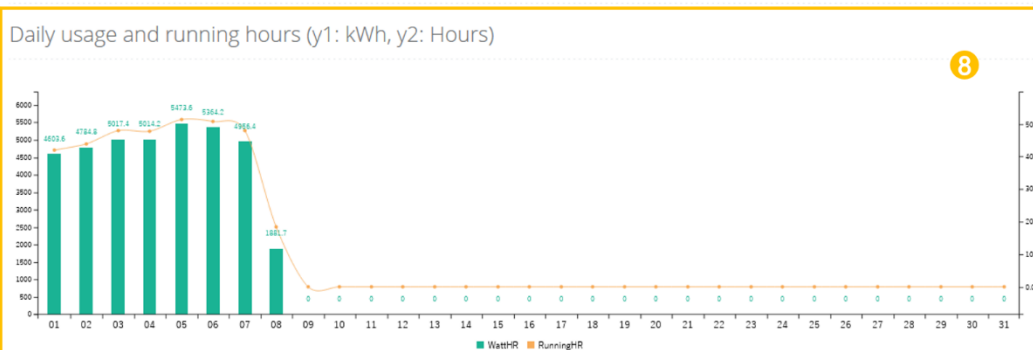
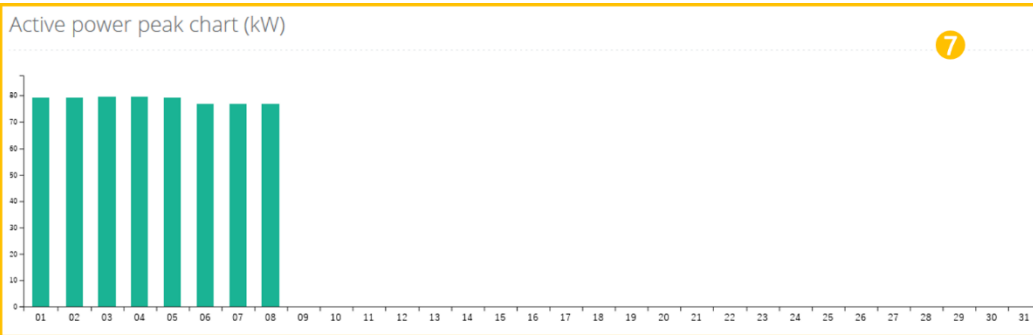
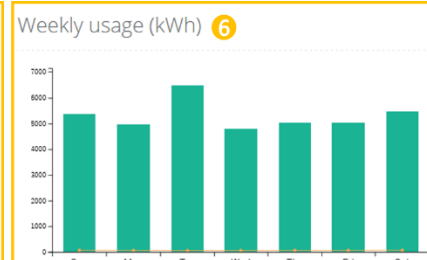
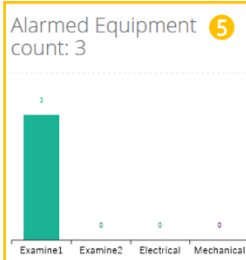


Usage rank

Rank	Name	Usage	Run hours
#1	KR_JIWATER_YP_PUMP_NO1_GEMS02	23,370.2	177 hours 2 minutes
#2	KR_JIWATER_M-2-03A_GEMS03	12,825.3	166 hours 44 minutes
#3	KR_JIWATER_YP_PUMP_NO3_GEMS01	900.3	6 hours 29 minutes

Alarm occurrence

Name	Alarm times
KR_JIWATER_M-2-03A_GEMS03	25 times
KR_JIWATER_YP_PUMP_NO1_GEMS02	99 times
KR_JIWATER_YP_PUMP_NO3_GEMS01	8 times



Daily summary <span style="float: right;">Export monthly summary as Excel</span>						
Date	Alarm (Times)	Usage (kWh)	Running hours	Average power factor (%)	Average active power (kW)	Maximum active power (kW)
01	35	4,603.58	41 hours 58 minutes	53.71	58.92	79.14
02	23	4,784.78	43 hours 55 minutes	49.66	55.86	79.29
03	13	5,017.43	47 hours 57 minutes	58.50	62.58	79.48
04	12	5,014.16	47 hours 50 minutes	58.48	62.46	79.50
05	19	5,473.57	51 hours 26 minutes	56.44	60.55	79.31
06	11	5,364.24	50 hours 48 minutes	55.73	59.42	76.67
07	13	4,956.35	47 hours 58 minutes	58.53	60.95	76.83
08	6	1,881.67	18 hours 21 minutes	58.70	60.97	76.84

No	Section	Description
1	Date selection	Select the report for the whole month by month.
2	Usage chart	This shows the percentage of usage of each equipment.
3	Usage rank	This shows the usage ranking of the whole equipment.
4	Alarm occurrence status	This table shows the number of alarm occurrences of the entire equipment.
5	Alarmed equipment counts	This shows how many equipment have alarmed on selected month.
6	Weekly usage	This shows the usage of the entire equipment by day.
7	Active power peak chart	This chart shows the daily active power peak of the month.
8	Daily usage and running hours chart	This shows daily usage and uptime for entire equipment.
9	Daily summary table	You can see the daily summary table of the all equipment.

## 9.1 Date selection

2019-09 ▼

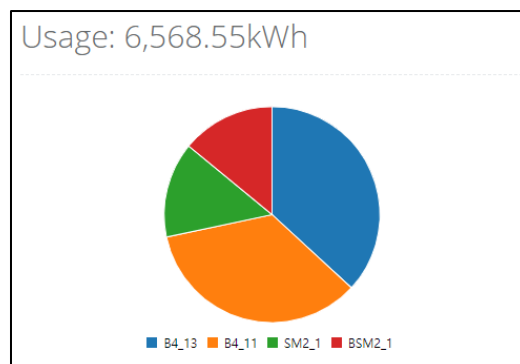
LGE\_CEM ▼

's report

SHOW

Check the report of the month you want. Only months in which data exists are displayed in the selection drop-down.

## 9.2 Usage Chart



This shows the usage ranking of the equipment. Up to 10 equipment appear.

### 9.3 Usage Rank

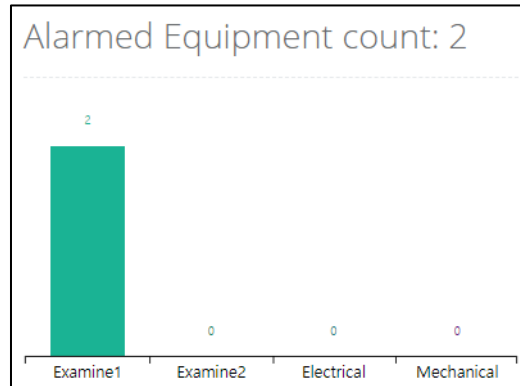
Rank	Name	Usage	Run hours
#1	B4_13	2,418.5	443 hours 18 minutes
#2	B4_11	2,289.2	442 hours 56 minutes
#3	SM2_1	938.7	349 hours 5 minutes
#4	BSM2_1	922.1	148 hours 16 minutes

It shows the usage ratio by equipment. The total usage is shown at the top.

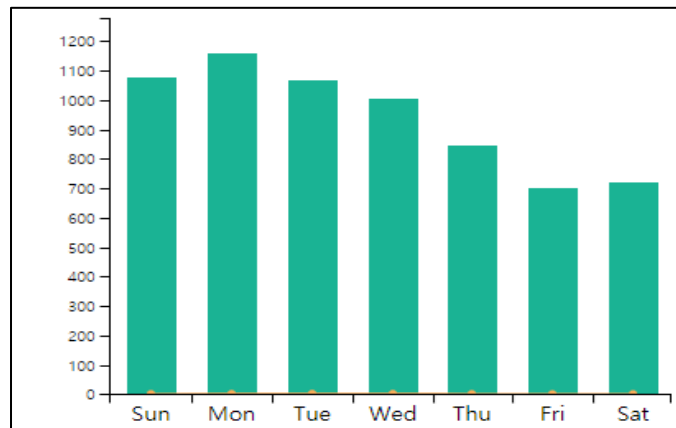
## 9.4 Alarm Occurrence Status

Name	Alarm times
KR_JJWATER_M-2-03A_GEMS03	25 times
KR_JJWATER_YP_PUMP_NO1_GEMS02	99 times
KR_JJWATER_YP_PUMP_NO3_GEMS01	8 times

## 9.5 Alarmed Equipment Counts



## 9.6 Weekly Usage



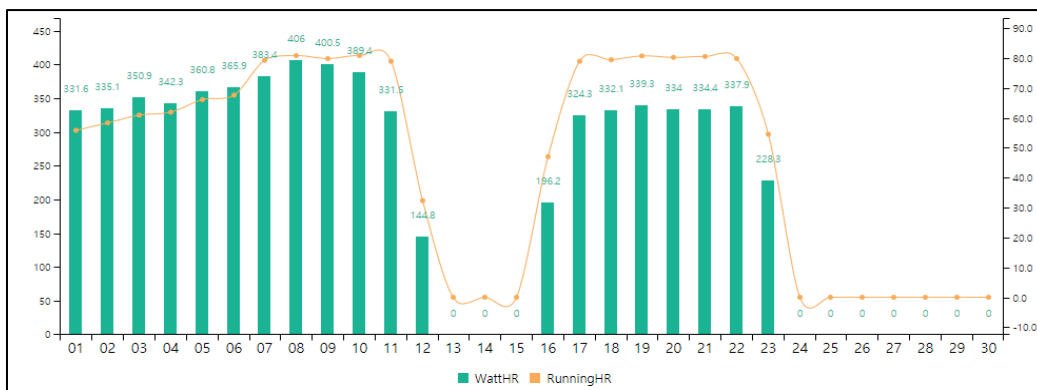
This shows the total usage per day (green bar) and the average per hour of the day (orange line). Hover over the mouse to see the exact usage.

## 9.7 Active Power Peak Chart



This shows highest active k power by day. Regardless of the type of equipment, only the highest peak is shown. If you hover over it, you can see in which equipment the peak occurred.

## 9.8 Daily Usage and Running Hours



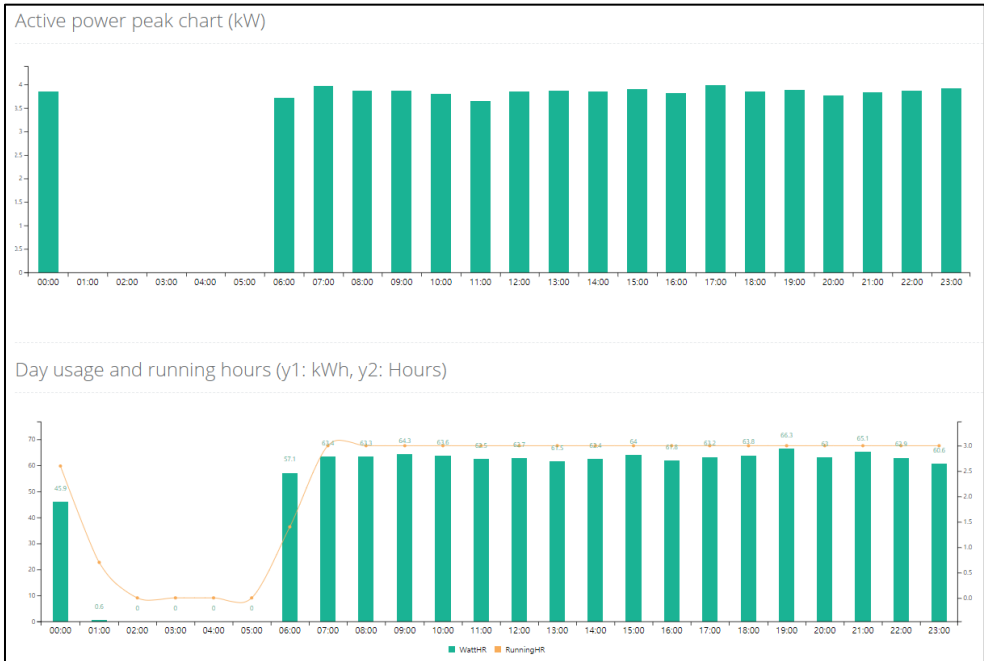
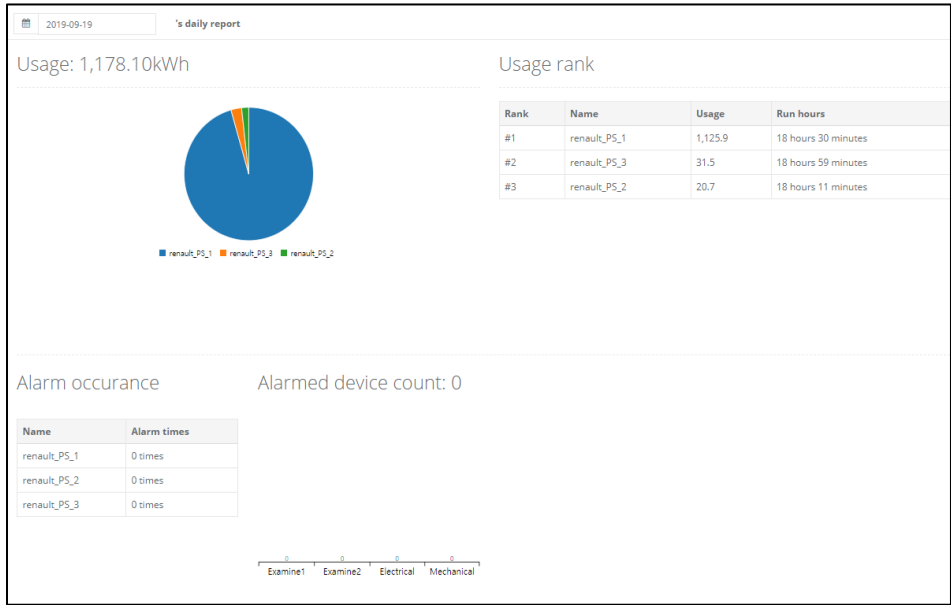
This shows daily usage and uptime for the selected month. Hover over the number to see the day of the week, exact usage and uptime.

## 9.9 Daily Summary Table

Daily summary <span style="float: right;"><a href="#">Export monthly summary as Excel</a></span>						
Date	Alarm (Times)	Usage (kWh)	Running hours	Average power factor (%)	Average active power (kW)	Maximum active power (kW)
01	0	331.59	55 hours 48 minutes	68.34	11.93	21.87
02	0	335.08	58 hours 16 minutes	70.55	12.30	19.32
03	0	350.92	60 hours 54 minutes	67.37	11.70	23.07
04	0	342.34	61 hours 53 minutes	71.33	12.41	23.18

The table shows daily error occurrence status, usage, uptime, average power factor, average active power, and maximum active power at a glance. If no data exists, a – mark is displayed on table.

# 10. DAILY REPORT



Day summary [Export daily summary as Excel](#)

Time	Alarm(Times)	Usage(kWh)	Running hours	Average power factor (%)	Average active power (kW)	Maximum active power (kW)
00:00	0	45.93	2 hours 38 minutes	90.52	30.92	67.34
01:00	0	0.65	43 minutes	-	-	-
02:00	0	0.00	0 minutes	-	-	-
03:00	0	0.00	0 minutes	-	-	-
04:00	0	0.00	0 minutes	-	-	-
05:00	0	0.00	0 minutes	-	-	-
06:00	0	57.07	1 hours 26 minutes	85.30	55.67	70.49
07:00	0	63.43	2 hours 59 minutes	90.44	35.68	67.84
08:00	0	63.31	2 hours 59 minutes	90.20	35.71	67.71

All features of the daily report are the same as the monthly report.



## 11. ADMIN SETTING

### 11.1 Update Settings

Manual update

\* Update equipment manually. It takes about 5 minutes to start update, and takes 24 hours approximately.  
The update history is automatically recorded in the maintenance list.

Category

renault\_category

Equipment

renault\_PS\_1  
renault\_PS\_2  
renault\_PS\_3

Name

Manual update of equipment (eMCM): Update the equipment manually.

#### 11.1.1 Manual Update of Equipment (only eMCM)

Proceed with updating the equipment manually. Pressing the equipment name activates the [Update] button and pressing the button releases the control command. You can check whether the control is working normally in the event list of the precision diagnosis screen. When the update is complete, it is recorded on the Detail-Maintenance page.

Please insert an update reason.

Please insert an update admin name.

Pressing the [Update] button will prompt you to enter the reason for the update and the administrator's name. If not entered, the update will not proceed. The information you enter is recorded on the Detail-Maintenance page.

## 11.2 Report Settings

**Sender setting**

\* Automatic reports should only be used as an aid to maintenance planning.

Name: 관리자

Email address: motoriot.manager@gmail.com

Password: \* Password

Smtip host ⓘ: smtp.gmail.com

Port: 587

**SUBMIT**

---

**Receiver setting**

kwangmin@nteksys.com (김광민)  
 tommy@nteksys.com (오정훈)  
 cruise@iguplus.co.kr (이종원)

Name: \* Name

Email address: \* Email Address

**ADD**

**Receiver add**

**Alarm setting**

\* Selected alarm parameters and update history are included in auto report e-mail.

**Parameters**

Examine1

Examine2

Watch Line

Watch Load

---

\* E-mail Includes alarms and update information that occurred in 24 hours.

**Weekdays**

Monday

Tuesday

Wednesday

Thursday

Friday

Saturday

Sunday

---

**Time**: 9:00  Send report hourly.

---

**Option**

Send e-mail only when alarm occurred

Send masked data.

**SUBMIT**

No	Section	Description
1	Sender setting	Mail sender setting screen.
2	Receiver setting	Mail receiver registration screen.
3	Alarm setting	Alarm option setting screen.

### 11.2.1 Sender Settings

**Sender setting**

\* Automatic reports should only be used as an aid to maintenance planning.

Name: \* Name

Email address: \* Email Address

Password: \* Password

Smtip host ⓘ: smtp.gmail.com

Port: 587

**SUBMIT**

You can enter the name, email address, password, Smtip host, port number and press the [SUBMIT] button to save. We recommend using Google Gmail for email.

**Smtip host ⓘ** smtp.gmail.com

---

**Port** 587

You can hover over the question mark next to the Smtip host for additional instructions.

### 11.2.2 Receiver Settings

Receiver setting

cumali.ozel@artesis.com (Cumali OZEL)

Name \* Name

Email address \* Email Address

ADD

Receiver add

If you register the name and e-mail address, the automatic report mail set for the e-mail will be sent. Fill in the contents and press the [ADD] button to register the recipient. Registered recipients are shown in the left email list.

Name \* Name

Email address \* Email Address

ADD

If you tap a specific receiver in the email list, the Modify / Delete button appears. After modifying the contents, press [MODIFY] button to modify, and press [DELETE] to delete the receiver.

### 11.2.3 Alarm Settings

Alarm setting

\* Selected alarm parameters and update history are included in auto report e-mail.

**Parameters**  Examine1  
 Examine2  
 Watch Line  
 Watch Load

---

\* E-mail includes alarms and update information that occurred in 24 hours.

**Weekdays**  Monday  
 Tuesday  
 Wednesday  
 Thursday  
 Friday  
 Saturday  
 Sunday

---

**Time**   Send report hourly.

---

**Option**  Send e-mail only when alarm occurred  
 Send masked data.

---

- If you check an alarm item, report is sent only for checked item.
- If you check the day of the week, the report will be sent only on the checked day.
- If you specify a sending time, the report is sent at the specified time. The default setting is nine o'clock. If you check [Send report hourly], the report will be sent every time an alarm occurs, not a specific time.
- The Send option selects whether to send a report every specified day regardless of whether an alarm occur or only when an alarm occurs, if it is checked, an e-mail will not be sent if the alarm selected in the alarm item does not occur.

## 11.3 Account Settings

Account setting \* Passwords must be at least 8 characters long and must contain alphabetic, numeric, and special character combinations.

ID: Artesis\_AS

Current admin password:

New admin password:

Repeat admin password:

Change option:  Change admin password

---

Current guest password:

New guest password:

Repeat guest password:

Change option:  Change guest password

[MODIFY INFO](#)

---

Company logo

Update your company logo

Company name: Artesis\_AS

Company logo:  No file chosen

[UPDATE LOGO](#)

No	Section	Description
1	Account settings	Password of account setting screen.
2	Company Logo	Company logo registration screen

### 11.3.1 Account Settings

Account setting \* Passwords must be at least 8 characters long and must contain alphabetic, numeric, and special character combinations.

ID: Artesis\_AS

Current admin password:

New admin password:

Repeat admin password:

Change option:  Change admin password

---

Current guest password:

New guest password:

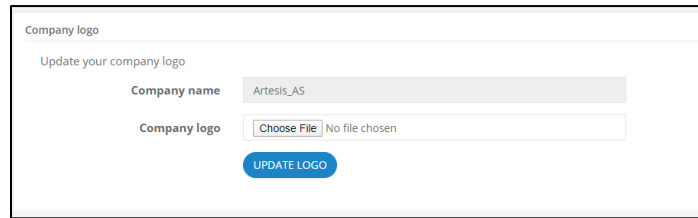
Repeat guest password:

Change option:  Change guest password

[MODIFY INFO](#)

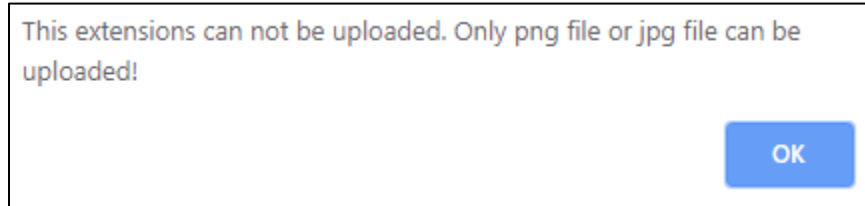
- You can change your password. The password must be at least eight characters long and must contain a combination of alphabetic, numeric and special characters. If the condition is not met, a message is displayed in red.
- The current administrator password is required to change the password. To change the guest password, you must enter an additional guest password.
- You must choose which account's password you want to change. By checking each change, you can change the password for the administrator, change the guest password, or both.

### 11.3.2 Company Logo



The screenshot shows a web form titled "Company logo" with the subtitle "Update your company logo". It contains two input fields: "Company name" with the value "Artesis\_AS" and "Company logo" with a "Choose File" button and the text "No file chosen". Below the fields is a blue "UPDATE LOGO" button.

Register the logo on the top right of the site.



Note: Logo file can only be \*.png or \*.jpg file extension. If you try to register other extension files, you will see this warning.