

# OPERATION INSTRUCTION

- OPERATION INSTRUCTION FOR RMC SYSTEM-AEON DELIGHT

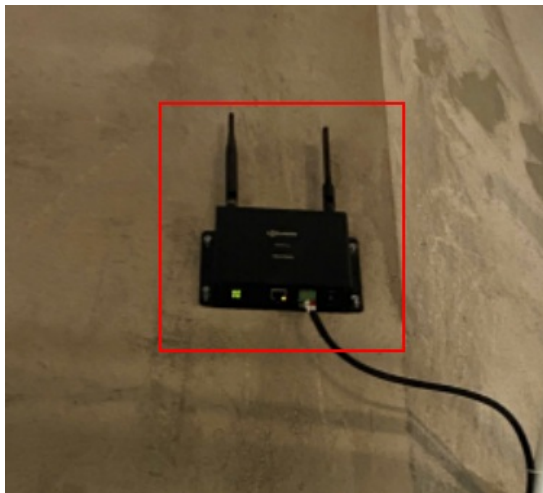
# OPERATION INSTRUCTION FOR RMC SYSTEM-AEON DELIGHT

## 1. Overview of the Operating Principle

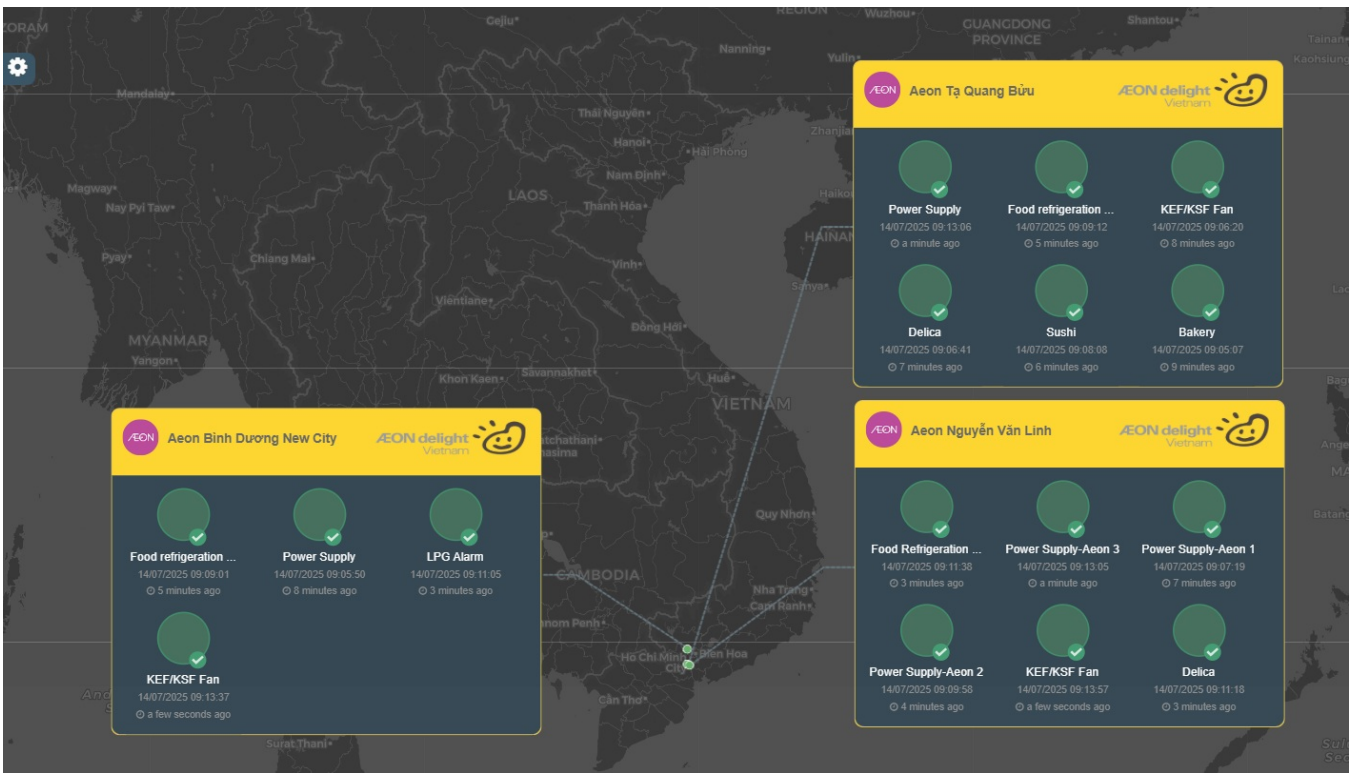
- The LRW-DI sensor is connected to the contacts that output the alarm signals.



- When the LRW-DI sensor receives an alarm signal from the field devices, it will send a data packet to the Gateway via a wireless signal. The Gateway will then forward it to the server through the internet connection (4G SIM).



- The supervisor will observe the alarm signal on the software.



## 2. Overview of the System Hardware

- Main device list

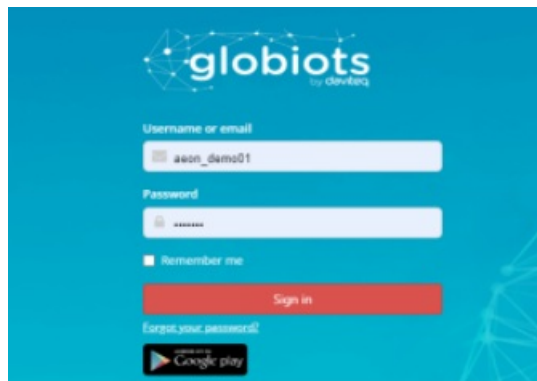
No.	Item code	Description
1	GWIND-8	GATEWAY LORAWAN - INDOOR, POE
2	BP-11V-28AH-01	Battery Pack 11V 28AH
3	WSLRW-DI-12	LORAWAN NODE WITH DIGITAL INPUT
4	CONVT-ACDC-OPTO-01	Converter for AC100-220VAC and 10-30VDC to open collector
5	L91-ENERGIZER	BATTERY AA ENERGIZER LITHIUM
6	SIM3G-BIGDATA	SIM3G-BIGDATA

## 3. Software Features Guide

### 3.1. Login Instructions

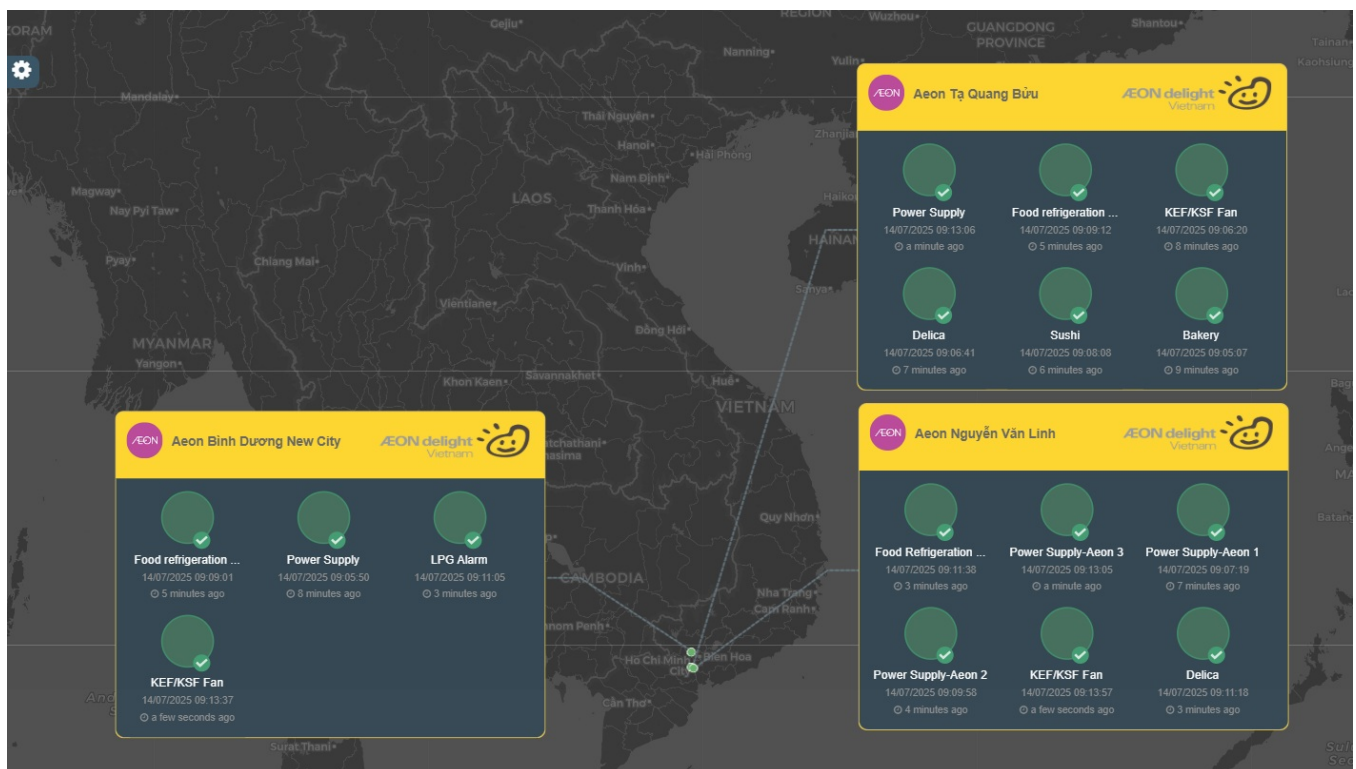
Step 1: Access the software via the link: <https://vizuo.globiots.com>

Step 2: Log in with the account:



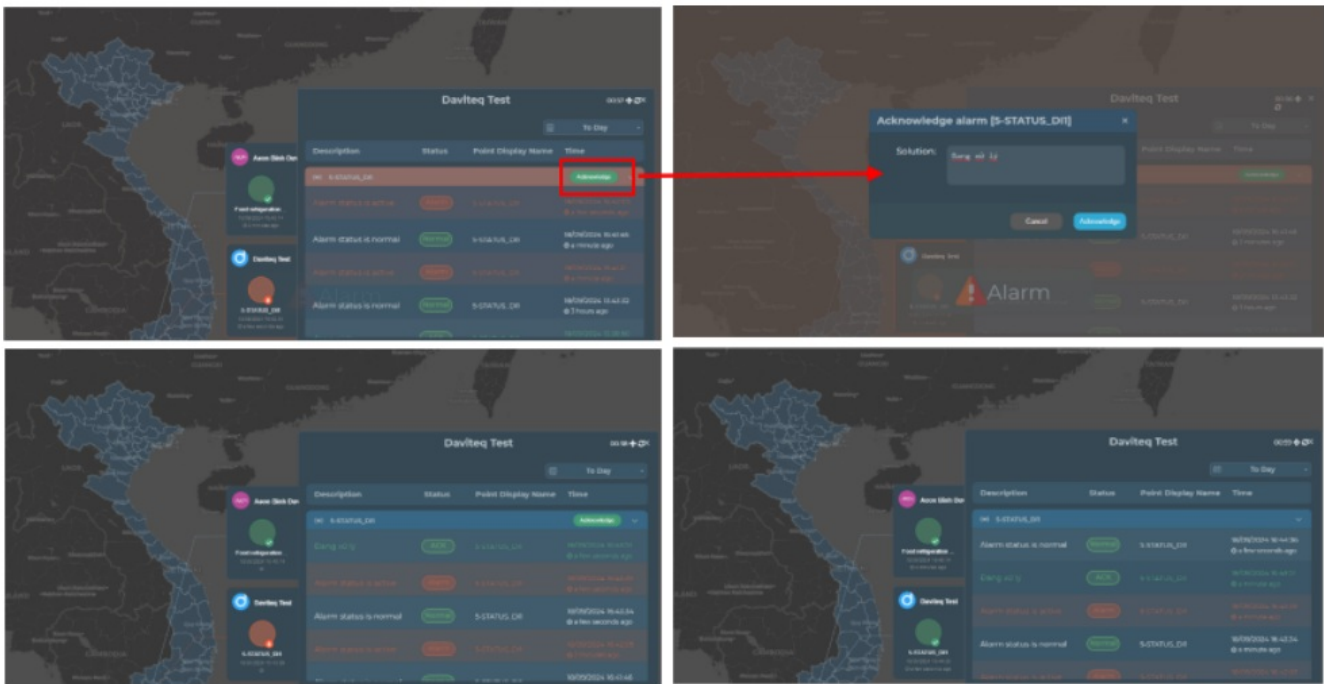
### 3.2. Main Monitoring Dashboard

After successfully logging into the software, navigate to **Management => Dashboard => AEON-DELIGHT-RV00002** to access the main monitoring interface.



#### Feature Description:

- Each dot on the map represents the status of one site
  - Normal: Green
  - Alarm: Flashing Red
- Each site will have a alarm information table that includes the alarm Each circle with the corresponding name below indicates the status of that point.
  - Normal: Green
  - Alarm: Red
- When clicking on the alarm information table, a history of alarms will be displayed. This table contains the historical alarm information for all points in the corresponding site, allowing for time selection to retrieve data.
- When a alarm occurs, the site dot will flash red, and the circle of the alarm point will also turn red. An alarm will sound through the computer speaker. Users can acknowledge the alarm to silence the sound, but the dot and circle will still display red.



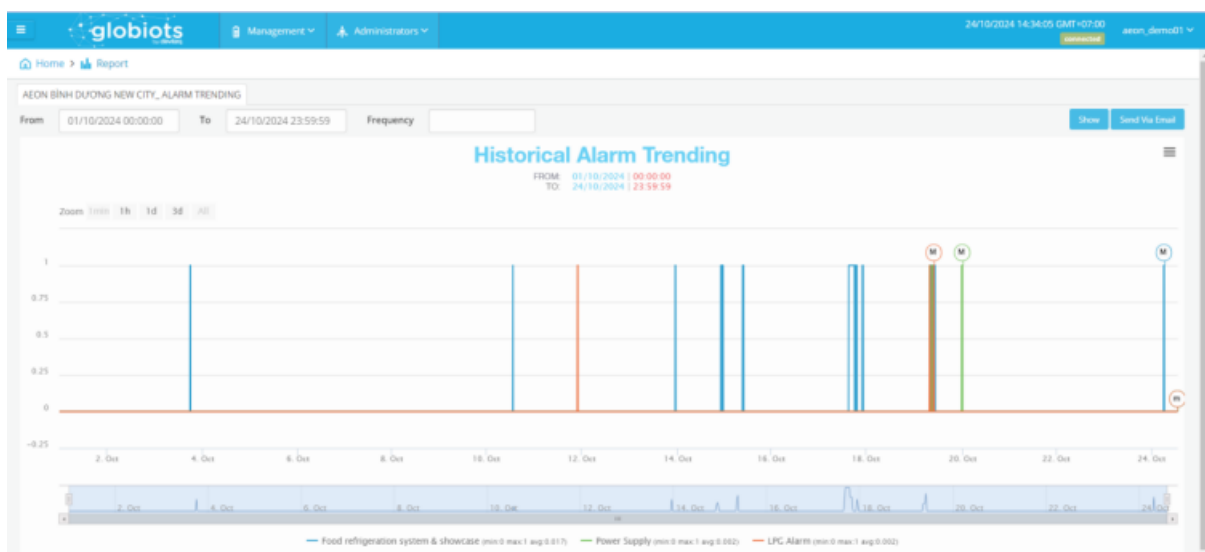
### 3.3. Instructions for Reports


Step 1: Navigate to **Management => Report => AEON BÌNH DƯƠNG NEW CITY\_ALARM TRENDING** to access the historical alarm report.

Step 2: Select the time frame for data retrieval (From... To...).

Step 3: Click the **Show** button in the top right corner of the screen to retrieve the data.

The vertical axis represents the status of the signal (1 = Alarm; 0 = Normal). The horizontal axis is the timeline.



Step 4: Click to the symbol  at the top right corner, select **Export to CSV** to export the data as a .csv file

### 3.4. Alarm Management

The feature allows for retrieving the historical alarm data of each monitoring point. The retrieval time is optional and allows exporting the report as a .xls file.

Step 1: Navigate to **Management => Alarm Management => History**

Step 2: Select the device you want to retrieve data from.

Step 3: Choose the time frame you want to retrieve and click the **Show** button.

Home > Alarm Management > History

Alarm Management

Summary Detail History

Device: FRS&showcase

Today Yesterday Last 3 days Custom From: 22/10/2024 To: 24/10/2024 Show Export

No.	Time	Date	Device Name	Parameter Name	State	Value	Comment	Solution	User
1	07:27:19	24/10/2024	FRS&showcase	Food refrigeration system & showcase	Normal	0.0			
2	07:21:23	24/10/2024	FRS&showcase	Food refrigeration system & showcase	Lo	1.0	The lower value		
3	07:11:23	24/10/2024	FRS&showcase	Food refrigeration system & showcase	Lo	1.0	The lower value		
4	07:10:59	24/10/2024	FRS&showcase	Food refrigeration system & showcase	Lo	1.0	The lower value		

Step 4: Click the **Export** button to export the file in .xls format.

### 3.5. Other Features

**3.5.1 Device management:** allows to expand additional sites (Nodes) and monitoring points (LoRa).

Organization Chart

Home > Alarm Management > History

AEON DELIGHT (8/100)

- BD Sora (+ New)
  - FRS&showcase
  - LDI122400008
  - LDI122400009
  - LPG Alarm
  - Power Supply

Node

THINGS

LoRa

Sigfox

Management

Detail History

Select device

Today Yesterday Last 3 days Custom

### 3.5.2. User management

User is created by following steps:

- In Home screen, click menu Administrators → select sub-menu User Management
- In screen of user list, click button “Add user” to add new user.

+ Add User - Step 1 of 3

1 BASIC INFORMATION 2 AUTHENTICATION 3 SUBMIT

Full Name\* Hng Vn

Gender Female

Date Of Birth 08/11/1987

Contact Number 0932001025

Language English

1

Cancel Continue

- Enter basic information into panel (1).
- Click button “Continue” to go to step 2.
- After click button “Continue”, screen of step 2 should appear:

The screenshot shows a web form titled "+ Add User - Step 2 of 3". At the top, there is a progress bar with three steps: "1 BASIC INFORMATION", "2 AUTHENTICATION", and "3 SUBMIT". The "2 AUTHENTICATION" step is currently active. Below the progress bar, there are four input fields: "Email\*" with the value "hongvan.pham@daviteq.com", "Username\*" with the value "hongvan", "Password\*" with the value "abc@123", and "Status" with a dropdown menu showing "ACTIVED". A red box highlights these four fields, with a red number "1" to its right. At the bottom of the form, there are three buttons: "Cancel", "Back", and "Continue".

- Enter information for user to sign-in into panel (1):

*Email: enter email address. Email is unique.*

*Username: enter username for sign in. Username is unique. Username has at least 6characters.*

*Password: default password is “abc@123”. User must change password when usersign in in the first time.*

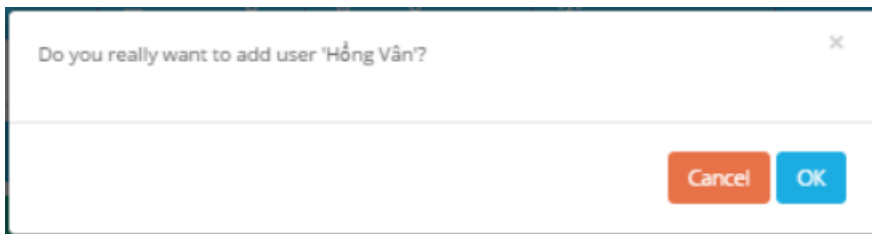
- Click button “Continue” to go to step 3.  
*Enter full information for user.*  
*Uppercase and lowercase of email and username are the same.*  
*Example: username “USERNAME1” is the same as username “username1”.*
- Screen of step 3 should appear:

The screenshot shows a web form titled "+ Add User - Step 3 of 3". At the top, there is a progress bar with three steps: "1 BASIC INFORMATION", "2 AUTHENTICATION", and "3 SUBMIT". The "2 AUTHENTICATION" step is currently active. Below the progress bar, there are two sections: "BASIC INFORMATION" and "AUTHENTICATION". The "BASIC INFORMATION" section contains four fields: "Full Name: HỒNG VĂN", "Gender: Female", "Date Of Birth: 08/11/1987", and "Contact Number: 0932001025". A red box highlights these four fields, with a red number "1" to its right. The "AUTHENTICATION" section contains three fields: "Email: hongvam.pham@daviteq.com", "User Name: hongvan", and "Status: ". A red box highlights these three fields, with a red number "2" to its right. At the bottom of the form, there are three buttons: "Cancel", "Back", and "Save".

*(1) Display basic information of user in step 1.*

*(2) Display information for sign in in step 2.*

- Click button “Save” to save information.
- After click button “Save”, confirmation screen should appear:



- Click button "OK" to finish.

### 3.5.3. Group management

Group is used to assign authorities to users.

- In Home screen, select menu Administrators → select sub-menu Group Management
- In screen of group list, click button "Add Group" to create new group of account.

The screenshot shows a multi-step form titled "+ Add Group - Step 1 of 7". A green progress bar at the top contains seven steps: 1. BASIC INFORMATION, 2. FUNCTION, 3. NODE, 4. USER, 5. LIVEVIEW, 6. DASHBOARD, and 7. SUBMIT. Step 1 is currently active. The form contains two input fields: "Group Name\*" with the value "Group 1" and "Description" with the value "Quản lý Group 1". A red rectangular box encloses both input fields, and a red number "1" is positioned to the right of the description field. At the bottom of the form, there are two buttons: "Cancel" (orange) and "Continue" (blue).This screenshot is identical to the one above, showing the "Add Group - Step 1 of 7" form. It features the same progress bar, input fields for "Group Name\*" and "Description", a red highlighting box around the inputs, a red "1" next to the description, and "Cancel" and "Continue" buttons at the bottom.

- Enter basic information of group into panel (1).

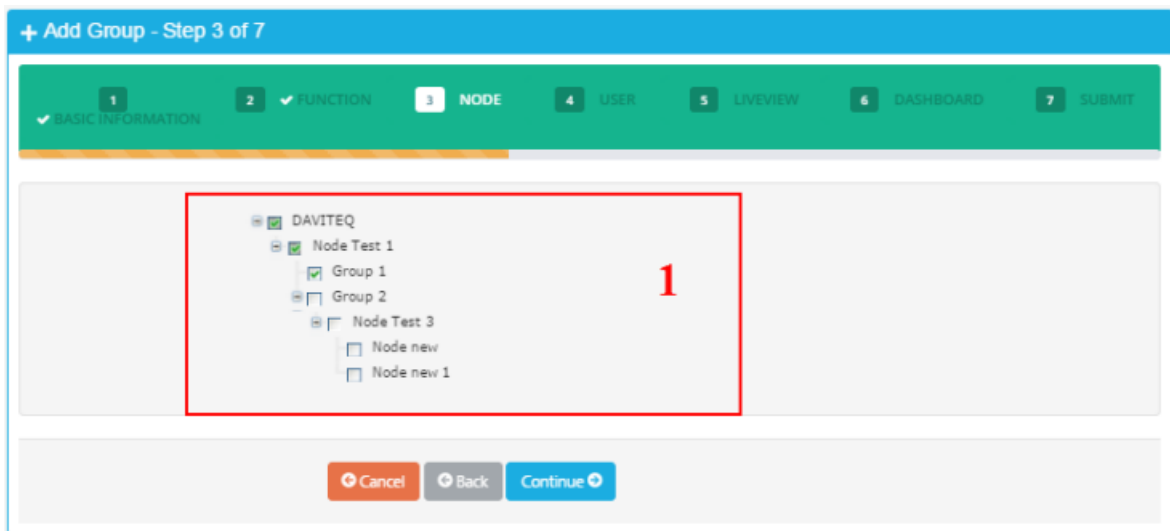
*Group Name: Enter group name. Group name is unique.*

*Click button "Continue" to go to step 2.*

- After click button "Continue", screen of step 2 should appear:

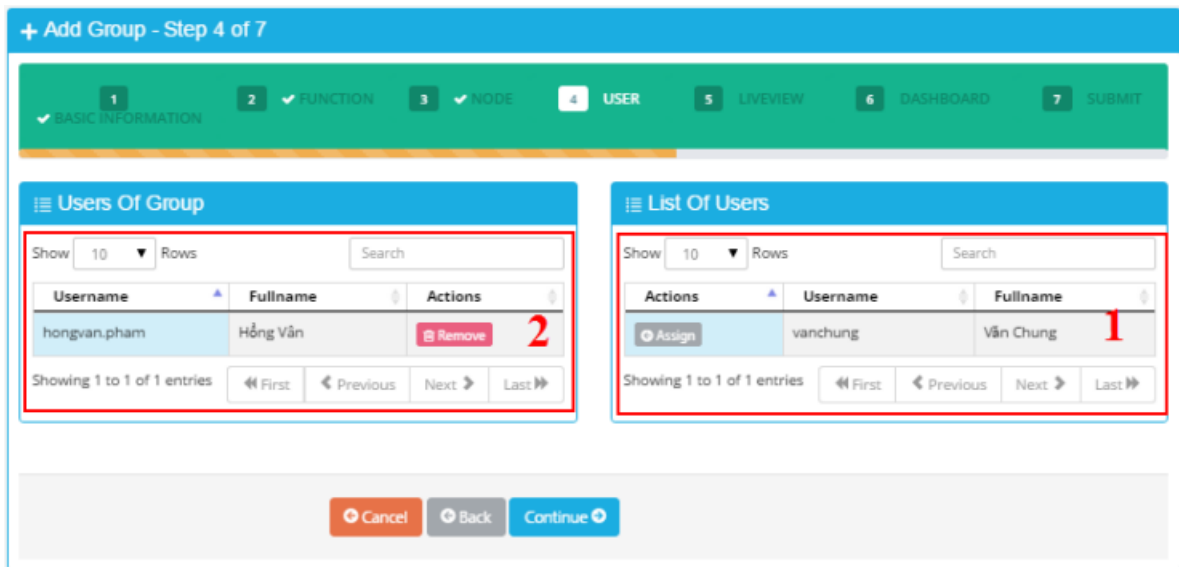
Function	Permission
Package Management	<input type="text"/>
Group Management	<input type="text"/>
Report	<input type="text"/>
Node Management	<input type="text"/>
Schedule Report	<input type="text"/>
Action Log	<input type="text"/>
Import/Export Raw Data	<input type="text"/>
Account Management	<input type="text"/>
Parameter Management	<input type="text"/>
User Management	<input type="text"/>
Dashboard Management	<input type="text"/>
Device Management	<input type="text"/>
Alarm Management	<input type="text"/>
Event Management	<input type="text"/>
Memmap Management	<input type="text"/>
SMS Profile Management	<input type="text"/>

- Select assigned functions for group in area  
*Only display assigned functions of account.*
- Click button "Continue" to go to step 3. Screen of step 3 should appear:



(1) Display available nodes of account. Tick nodes to assign to group.

- Click button "Continue" to go to step 4. Screen of step 4 should appear:

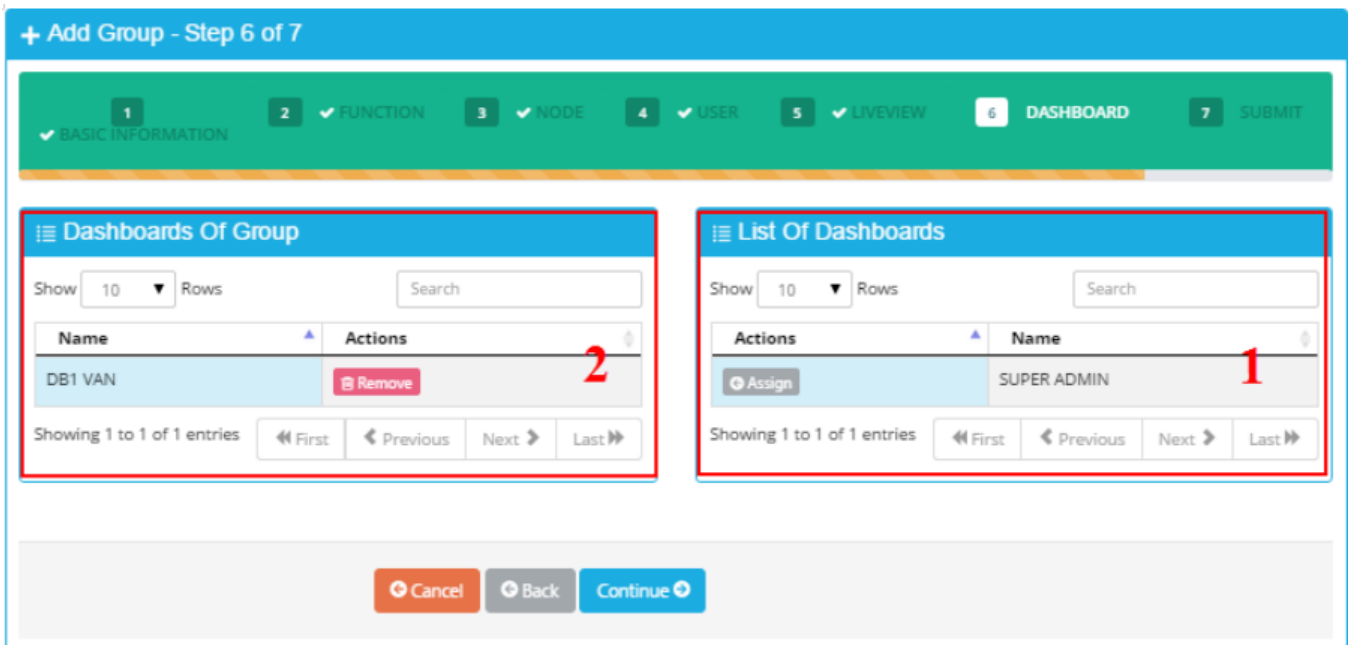


- Display list of users. The users have not been assigned to the group.
- Display list of users which has already been assigned to the group.

Button "Assign": click to assign selected user to group. After click "Assign" button, selected user should be in the list in panel (2).

Button "Remove": remove user from group. After click button "Remove", selected user should be in the list in panel (1).

- Click button "Continue" to go to step 5. Screen of step 5 should appear:



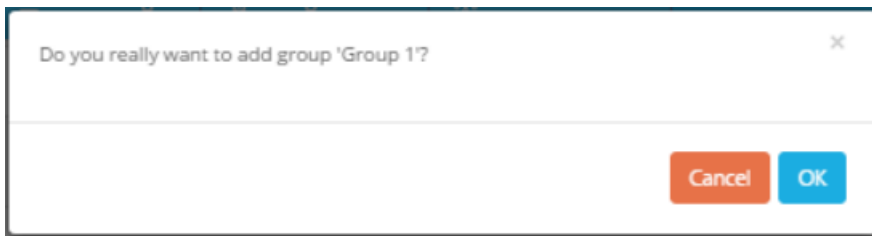
(1) Display list of Dashboard of signing in group. The Dashboard has not been assigned to group.

(2) Display list of Dashboard of signing in group. The Dashboard has already been assigned to group.

Button "Assign": click to assign dashboard to group. Assigned dashboard should be in panel (2).

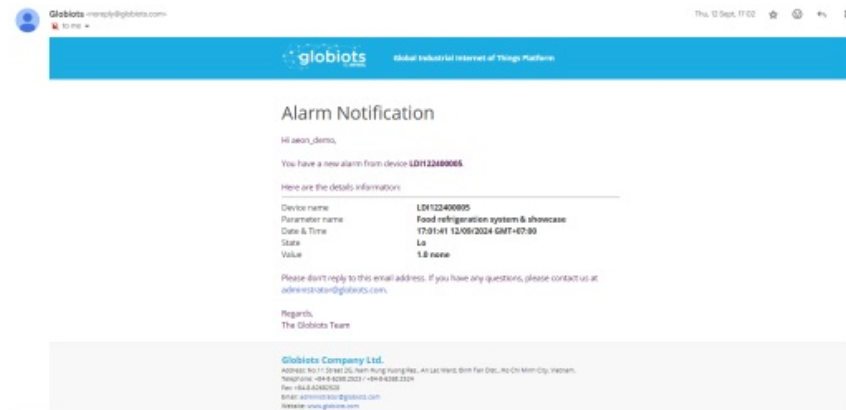
Button "Remove": remove dashboard out of group. Removed dashboard should appear in panel (1).

- Click button "Continue" to go to step 6. Screen of step 6 should appear to view Summary information of group from step 1 to step 8.
- Click button "Save" to save information. After click button "Save", confirmation screen should appear:



- Click button “OK” to finish.

### 3.5.3. Send notification emails to the account set up prior to receiving alarm signals



## 4. Troubleshooting

No.	Common Errors	Solution
1	There is an alarm signal at the field device, but it is not reporting to the software	<b>Step 1.</b> Check the output signal contacts on the field device. <b>Step 2.</b> Check the connection between the alarm device and the LRW-DI sensor. <b>Step 3.</b> Contact Daviteq Technical Support (via Zalo or hotline).
2	Disconnection at a single point	<b>Step 1.</b> Check for abnormalities at the sensor of the disconnected point (e.g. physical impact, obstruction, etc.) <b>Step 2.</b> Check the power LED of all gateways at the site <b>Step 3.</b> Contact Daviteq Technical Support (via Zalo or hotline)
3	Disconnection at a site	<b>Step 1.</b> Check the power LED of all gateways at the site <b>Step 2.</b> Contact Daviteq Technical Support (via Zalo or hotline)
4	Disconnection at multiple sites	<b>Step 1.</b> Contact Daviteq Technical Support (via Zalo or hotline)

## 5. Hardware Connect

### 5.1. Instructions for replacing the DI node

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### 5.2. Instructions for replacing the battery

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