OPERATION INSTRUCTION

- OPERATION INSTRUCTION FOR RMC SYSTEM-AEON DELIGHT

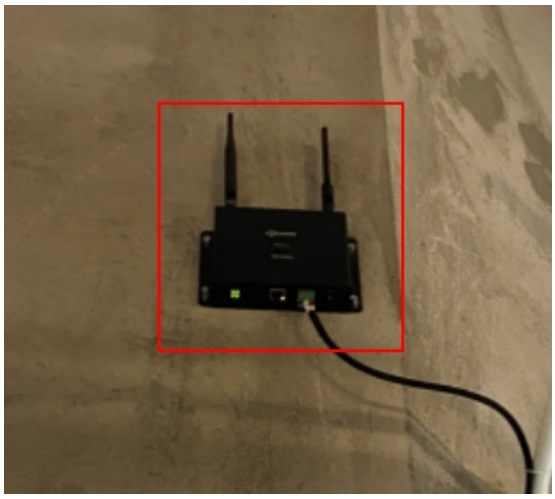
OPERATION INSTRUCTION FOR RMC SYSTEM-AEON DELIGHT

1. Overview of the Operating Principle

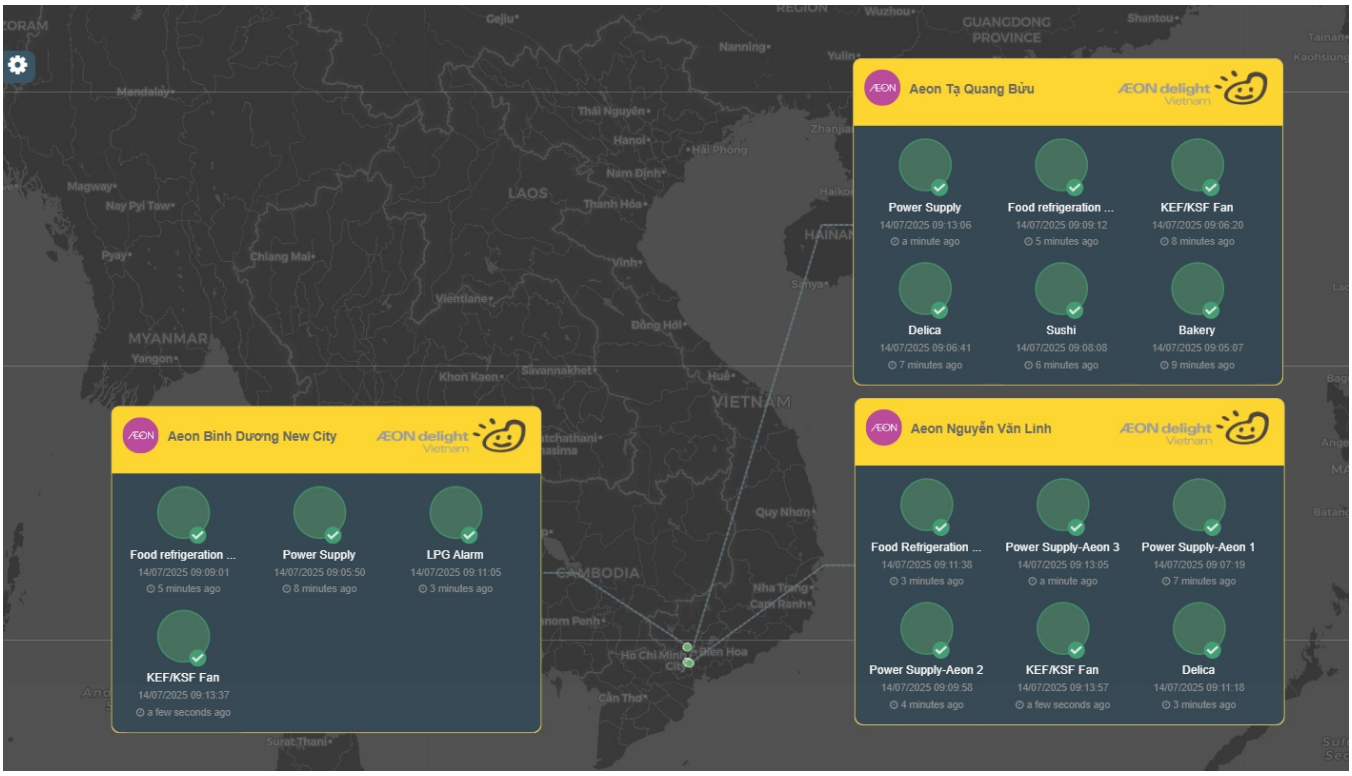
- The LRW-DI sensor is connected to the contacts that output the alarm signals.



- 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*

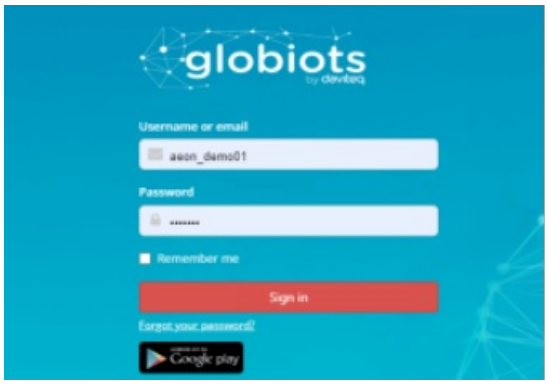
No.	Item code	Description
1	GWIND-8	GATEWAY LORAWAN - INDOOR, POE
2	BP-11V-28AH-01	Battery Pack 11V 28AH
3	WSLRW-DI-12	LORAWAN NODE WITH DIGITAL INPUT
4	CONVT-ACDC-OPTO-01	Converter for AC100-220VAC and 10-30VDC to open collector
5	L91-ENERGIZER	BATTERY AA ENERGIZER LITHIUM
6	SIM3G-BIGDATA	SIM3G-BIGDATA

3. Software Features Guide

3.1. Login Instructions

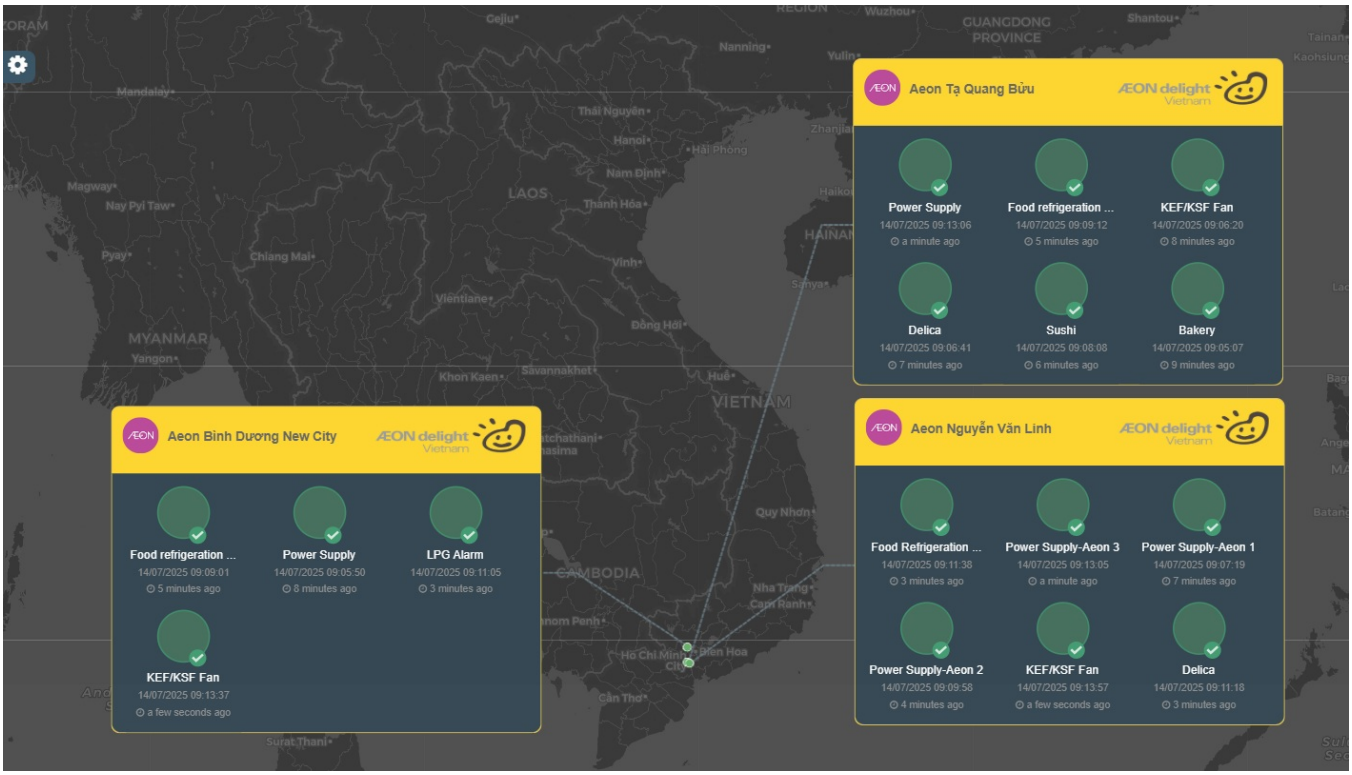
Step 1: Access the software via the link: https://vizuo.globiots.com

Step 2: Log in with the account:



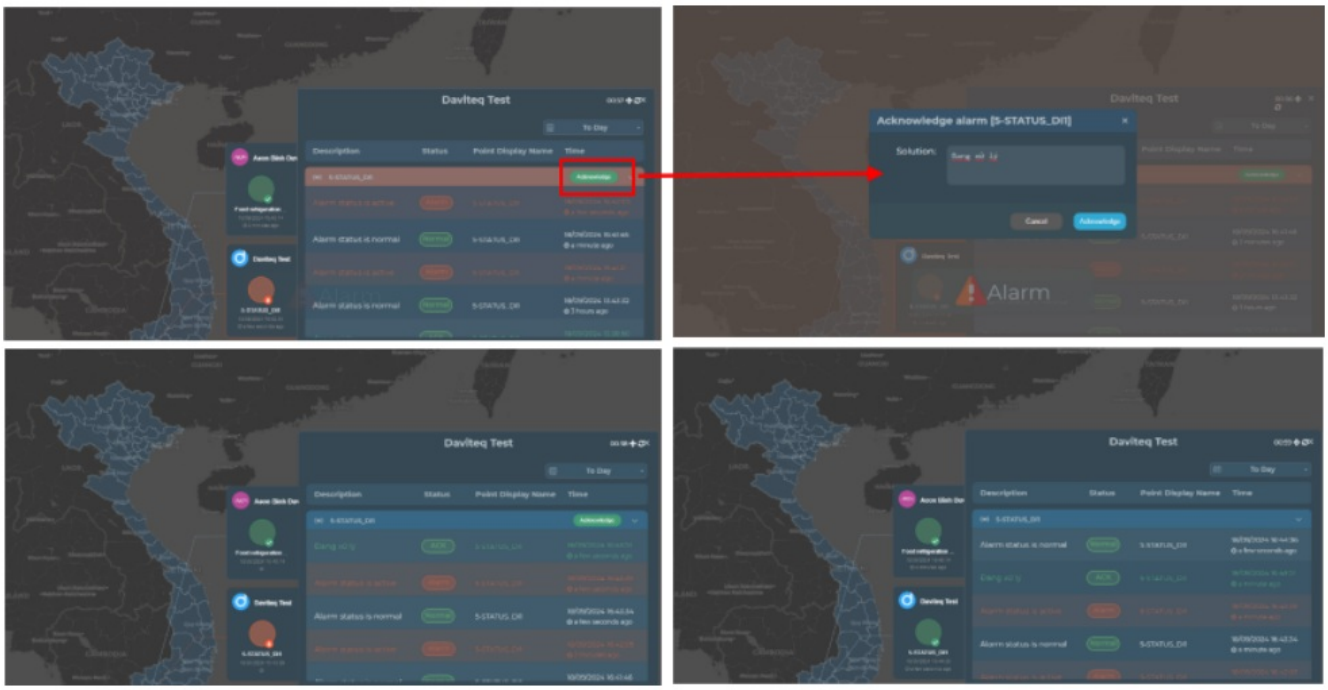
3.2. Main Monitoring Dashboard

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



Feature Description:

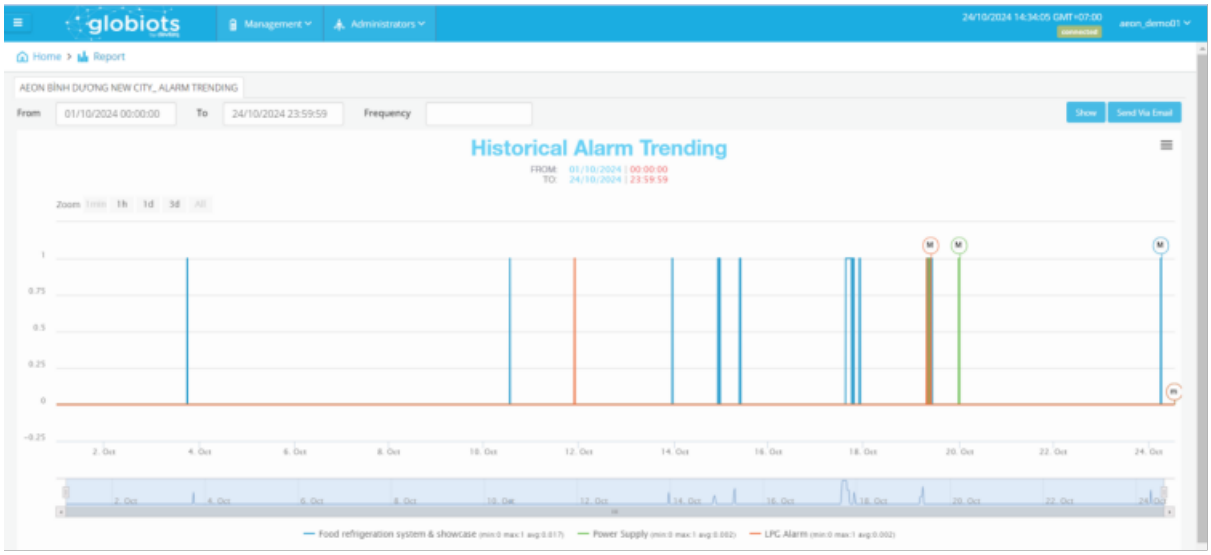
- Each dot on the map represents the status of one site
  - Normal: Green
  - Alarm: Flashing Red
- Each site will have a alarm information table that includes the alarm Each circle with the corresponding name below indicates the status of that point.
  - Normal: Green
  - Alarm: Red
- When clicking 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.

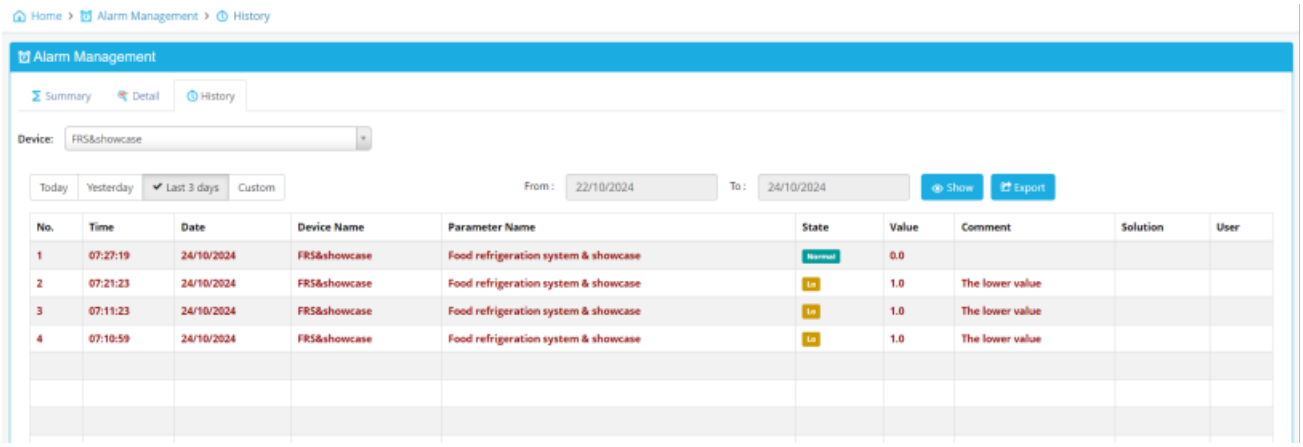


Step 4: Click to the symbol ☰ at the top right corner, select ***Export to CSV*** to export the data as a .csv file

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.

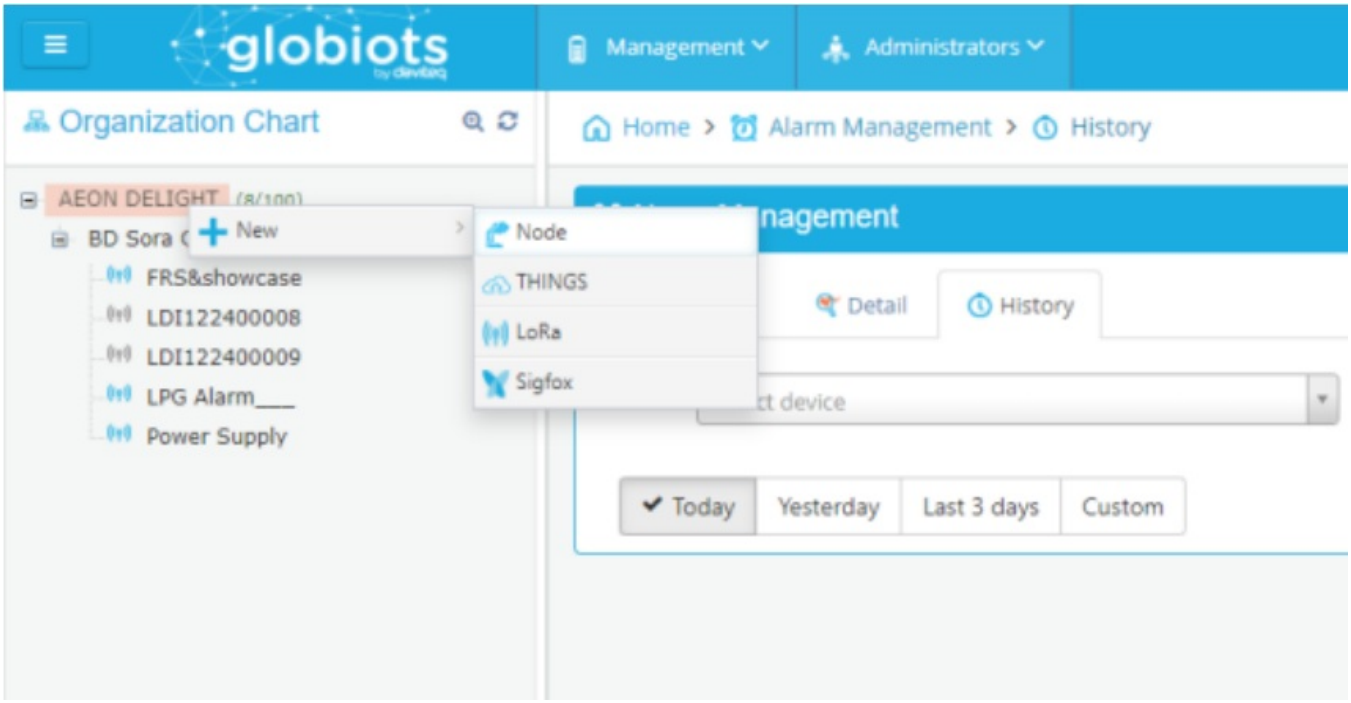
Step 1: Navigate to ***Management => Alarm Management => History***
Step 2: Select the device you want to retrieve data from.
Step 3: Choose the time frame you want to retrieve and click the***Show*** button.



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

3.5. Other Features

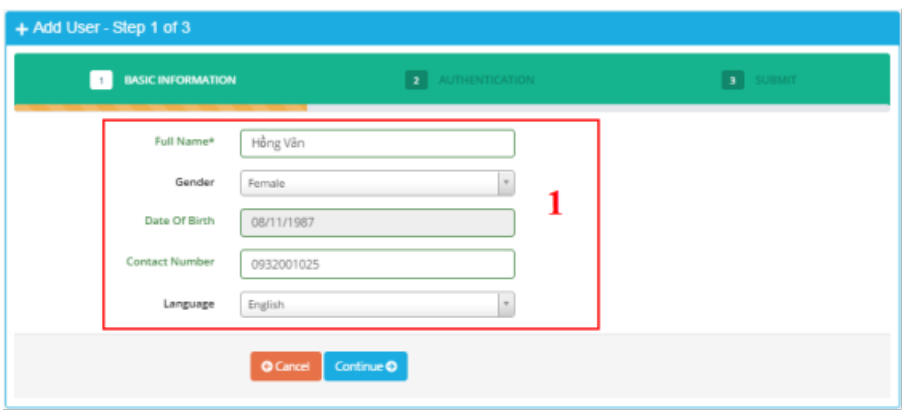
3.5.1 Device management: allows to expand additional sites (Nodes) and monitoring points (LoRa).



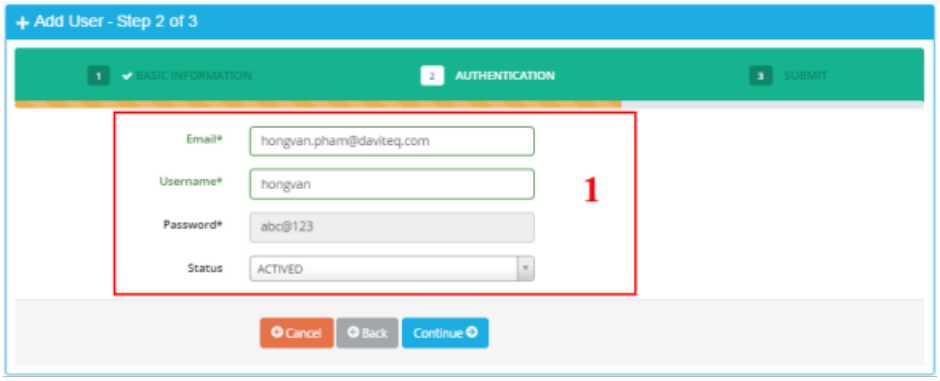
3.5.2. User management

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.



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



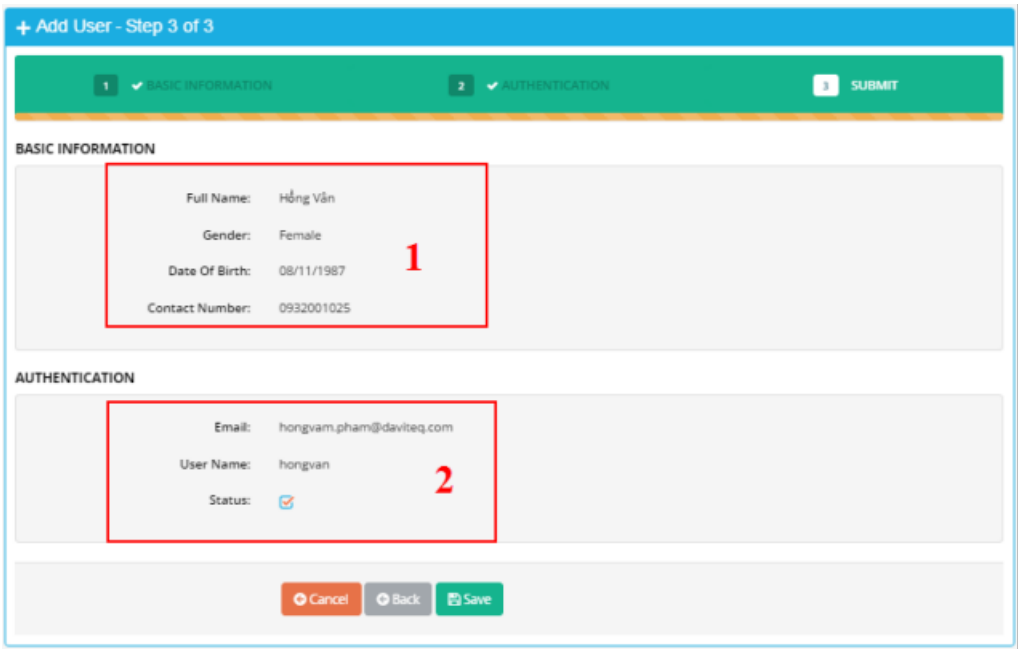
- Enter information for user to sign-in into panel (1):

Email: enter email address. Email is unique.

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

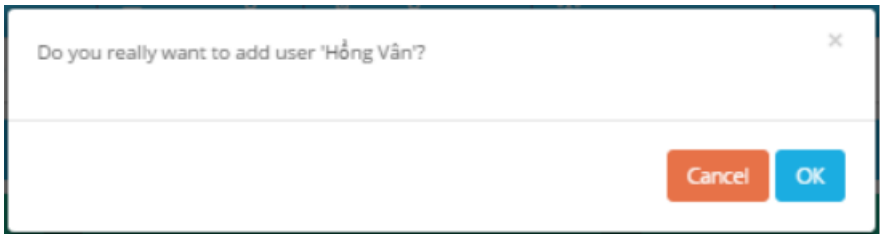
Password: default password is “abc@123”. User must change password when usersign in in the first time.

- 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:



(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:

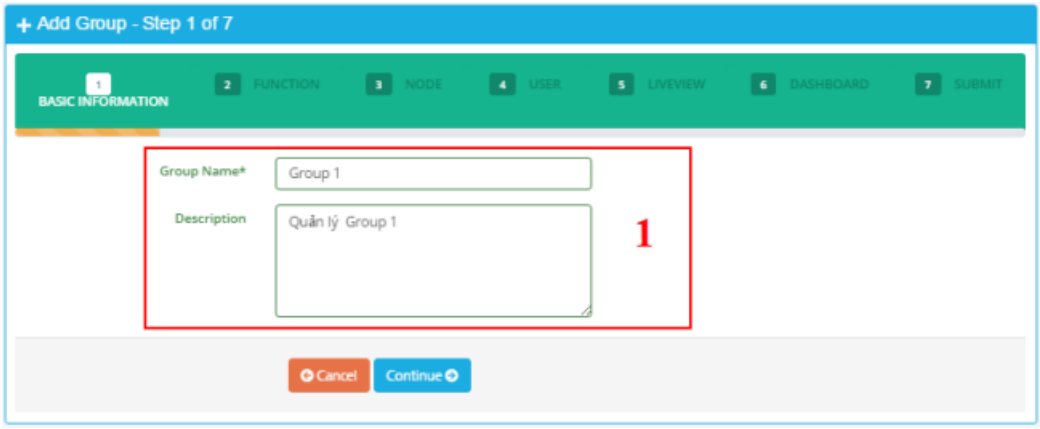


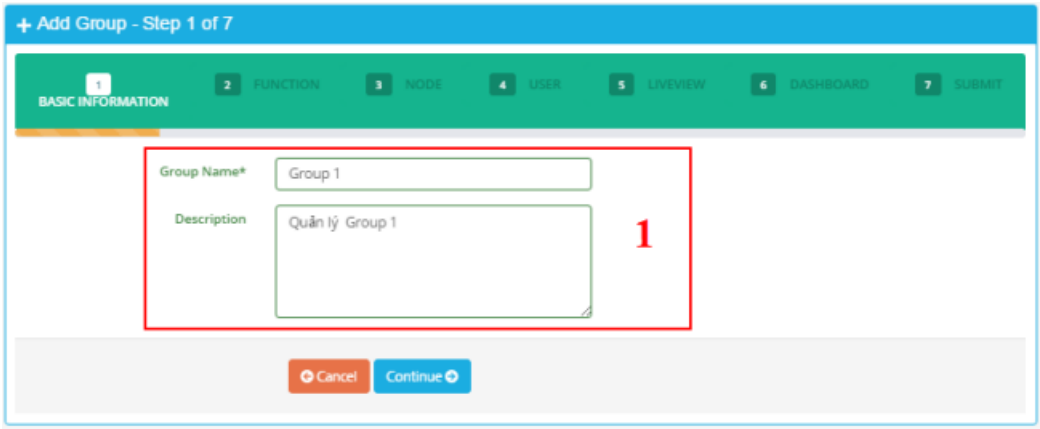
- Click button “OK” to finish.

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.



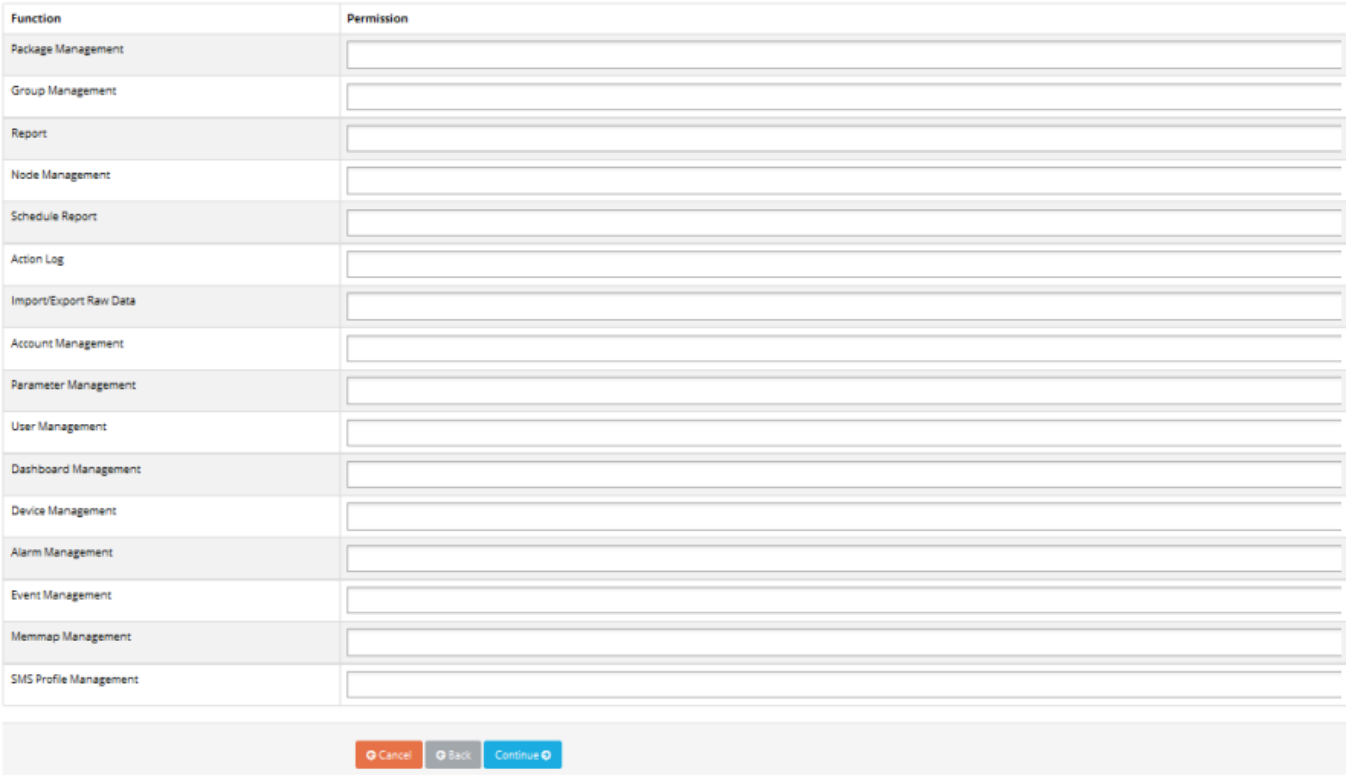


- Enter basic information of group into panel (1).

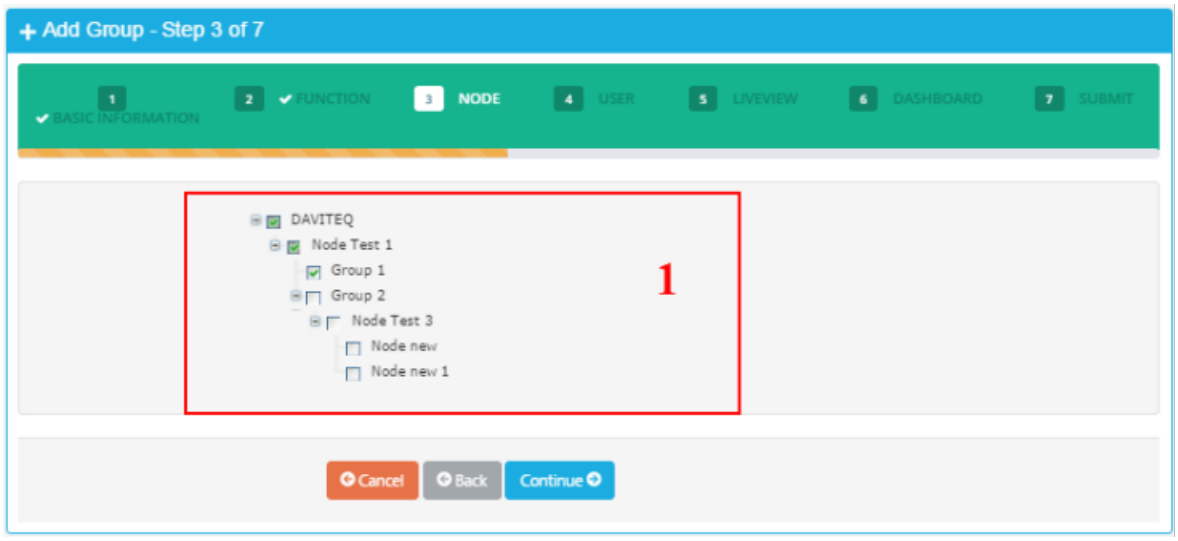
Group Name: Enter group name. Group name is unique.

Click button “Continue” to go to step 2.

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

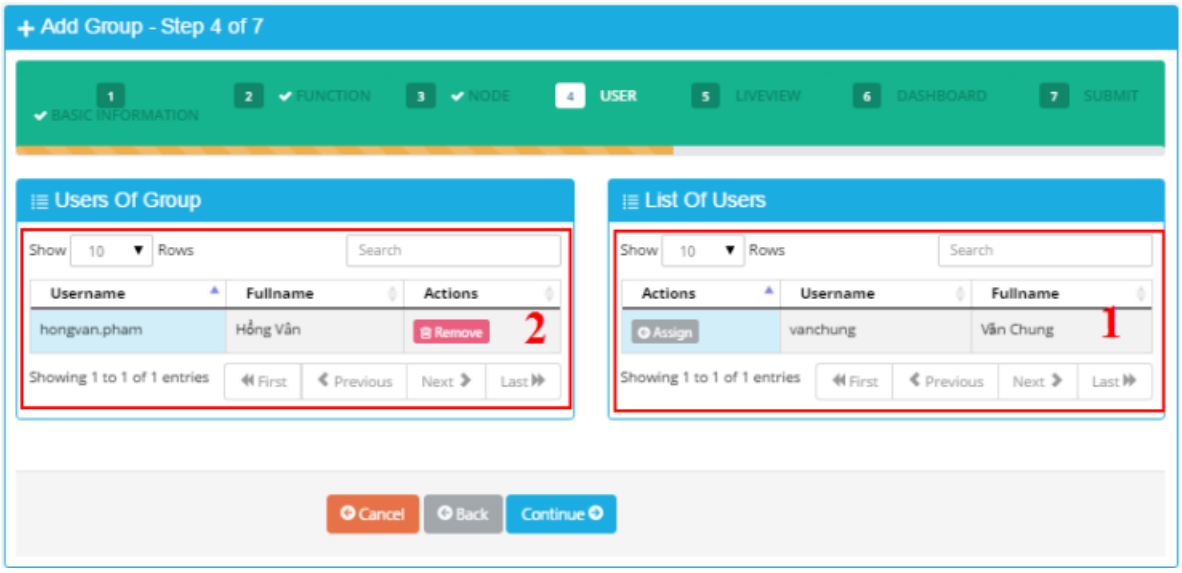


- Select assigned functions for group in area
  Only display assigned functions of account.
- Click button “Continue” to go to step 3.Screen of step 3 should appear:



(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:

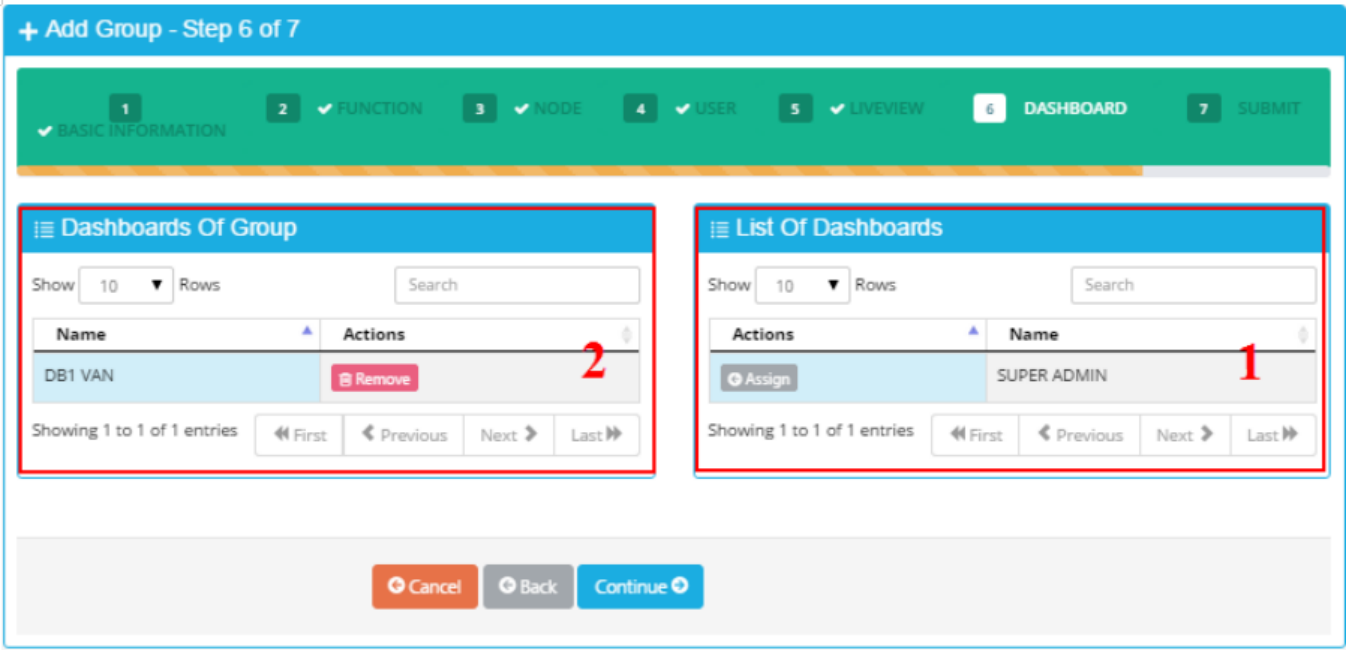


- *Display list of users. The users have not been assigned to the group.*
- *Display list of users which has already been assigned to the group.*

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", selecteduser should be in the list in panel (1).

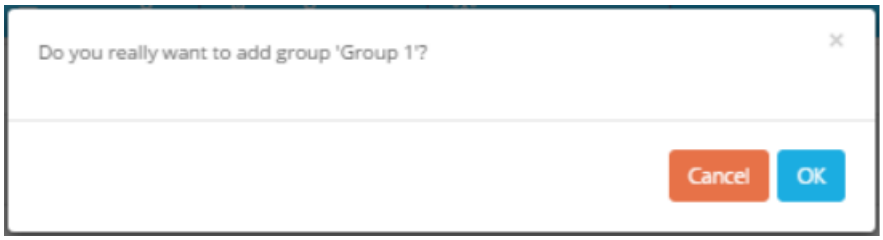
- Click button "Continue" to go to step 5.Screen of step 5 should appear:



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

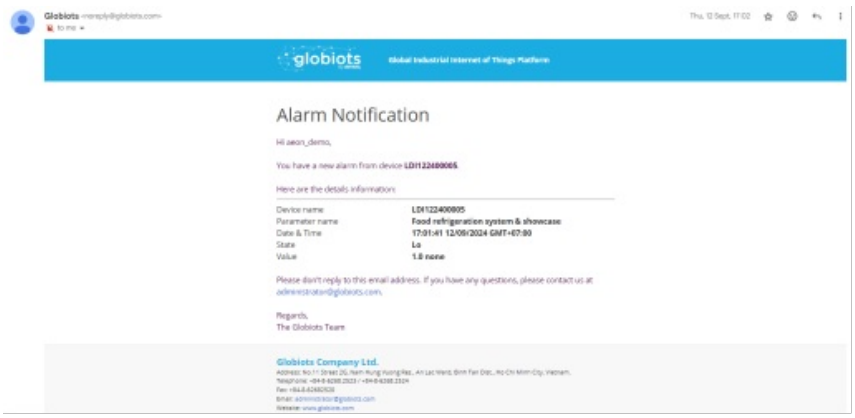
Button "Assign": click to assign dashboard to group. Assigned dashboard should bein panel (2).
*Button "Remove": remove dashboard out of group. Removed dashboard should*appear in panel (1).

- 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	**Step 1.** Check the output signal contacts on the field device. **Step 2**. Check the connection between the alarm device and the LRW-DI sensor. **Step 3.** Contact Daviteq Technical Support (via Zalo or hotline).
2	Disconnection at a single point	**Step 1.** Check for abnormalities at the sensor of the disconnected point (e.g. physical impact, obstruction, etc.) **Step 2.** Check the power LED of all gateways at the site **Step 3.** Contact Daviteq Technical Support (via Zalo or hotline)
3	Disconnection at a site	**Step 1.** Check the power LED of all gateways at the site **Step 2.** Contact Daviteq Technical Support (via Zalo or hotline)
4	Disconnection at multiple sites	**Step 1.** 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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