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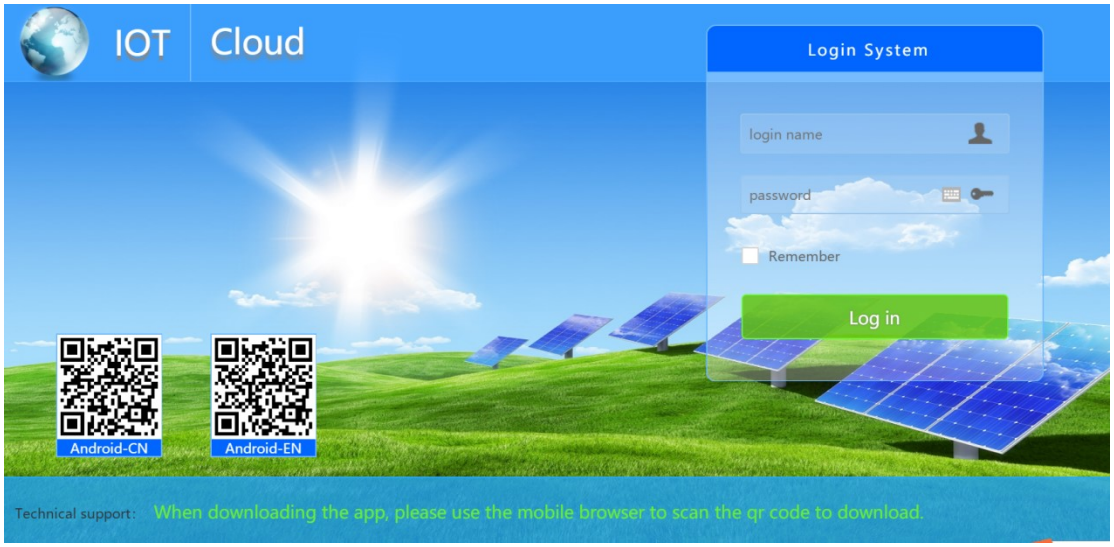
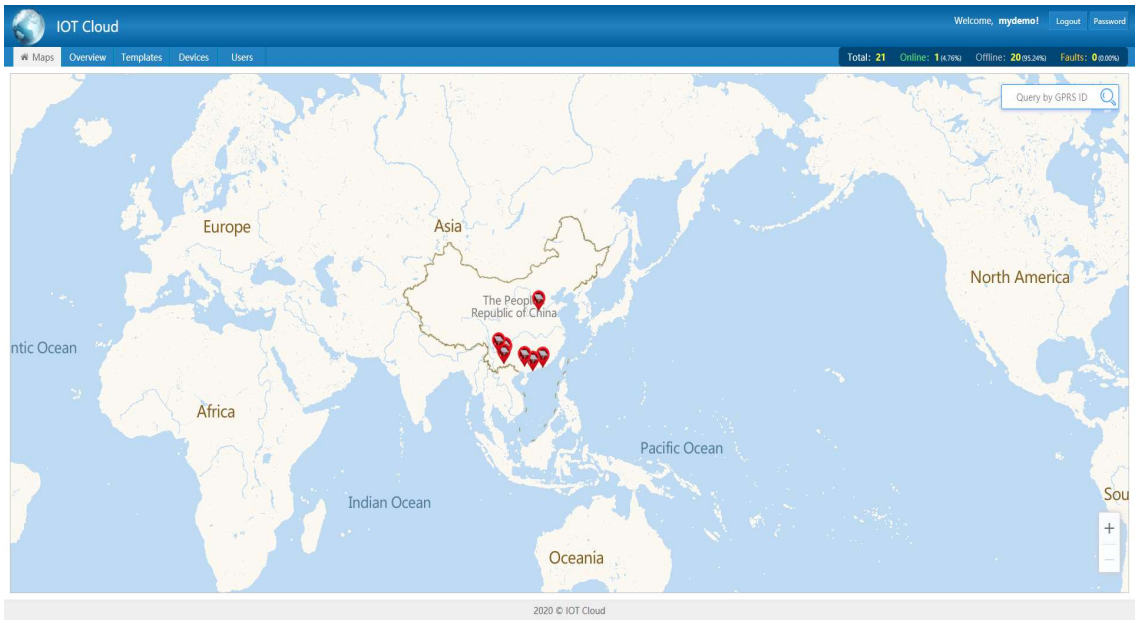
1 Login



Open the browser and enter the website address: https://www.xingxuanda.net/login.html
Enter the user name, password, and press the enter key or click on the "login" button to log on the IOT cloud platform.

2、home page

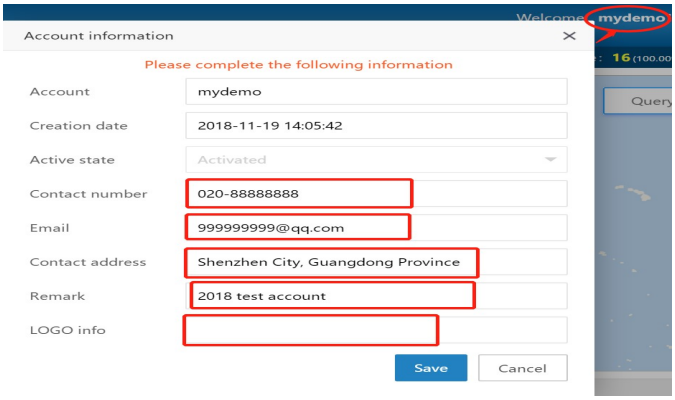


2.1 Top area

This area includes functional modules of logo information, login user name, logout and password modification.

2.1.1 Account information

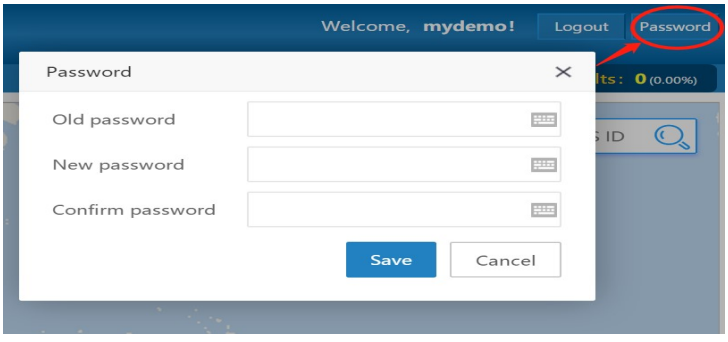
Click the login user name "mydemo" to pop up the interface of account information.



You can edit the contact telephone number, email address, contact address, remarks information and logo information in this interface. Click “Save” to automatically jump to the system login page after saving successfully, and then enter the user name and password to log in again.

2.1.2 Change password

Click”password” to pop up the below interface:

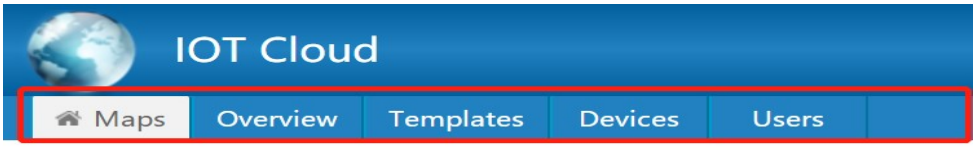


Here you can change the password.

2.2 Tabs

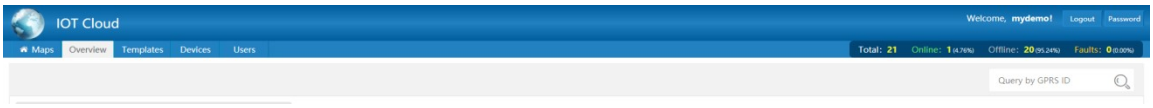
This area includes Maps(device distribution map), Overview, Templates,

Devices(equipment management) and Users(users management) ：

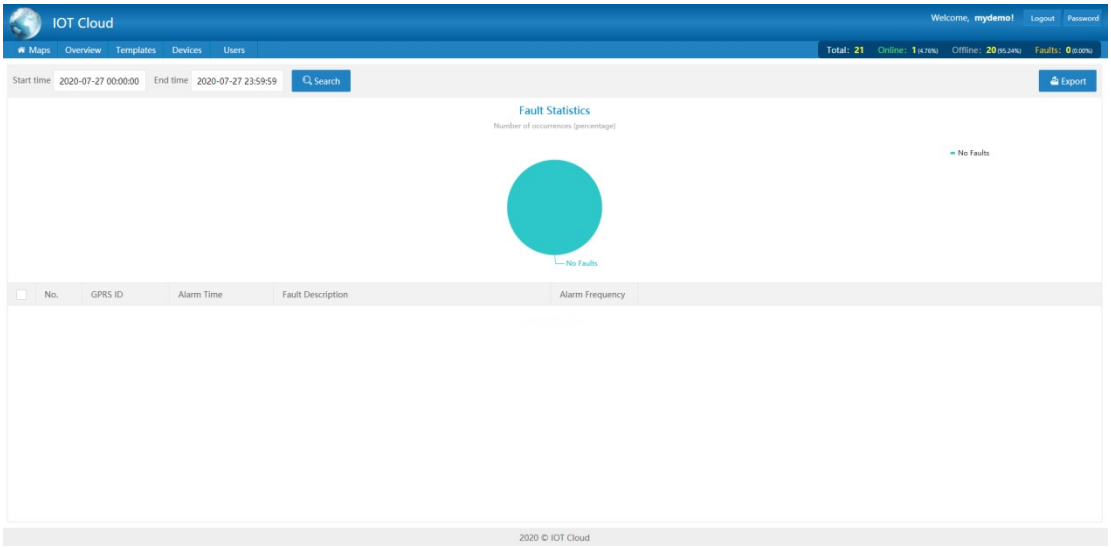


2.3 Equipment status bar

1）Click the characters such as “total” , “online”, “offline” and “faults” to enter the corresponding equipment overview page. For example, after clicking "online", it is shown in the following figure:



2）Click "Faults" to query all the faults (pie chart and report) of the day under the current login account, as shown in the following figure：

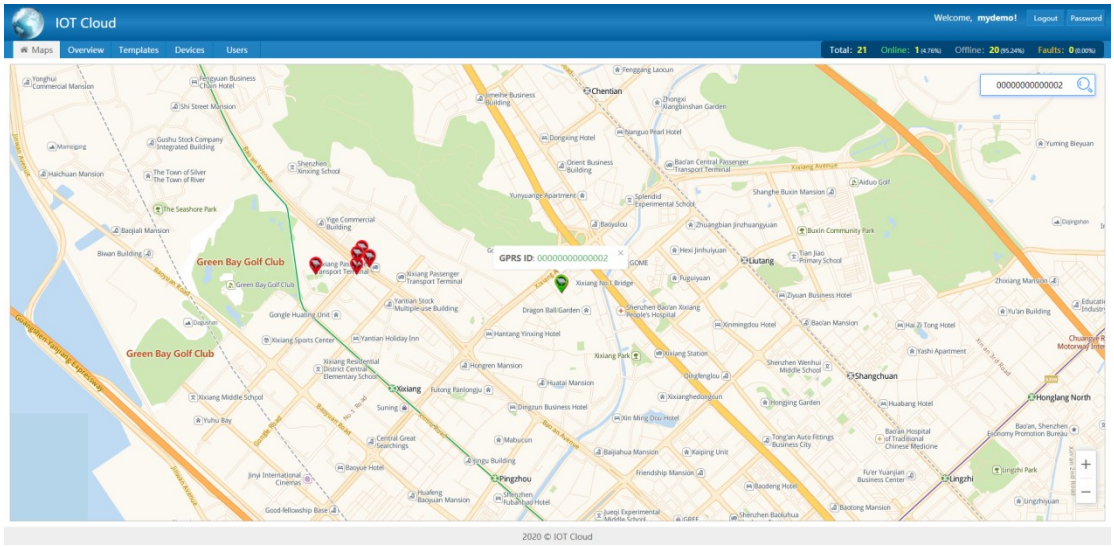


Select a time period (the end time must be greater than the start time), and click “search” to query the faults (pie chart and report) occurred in the selected time period

2.4 Maps

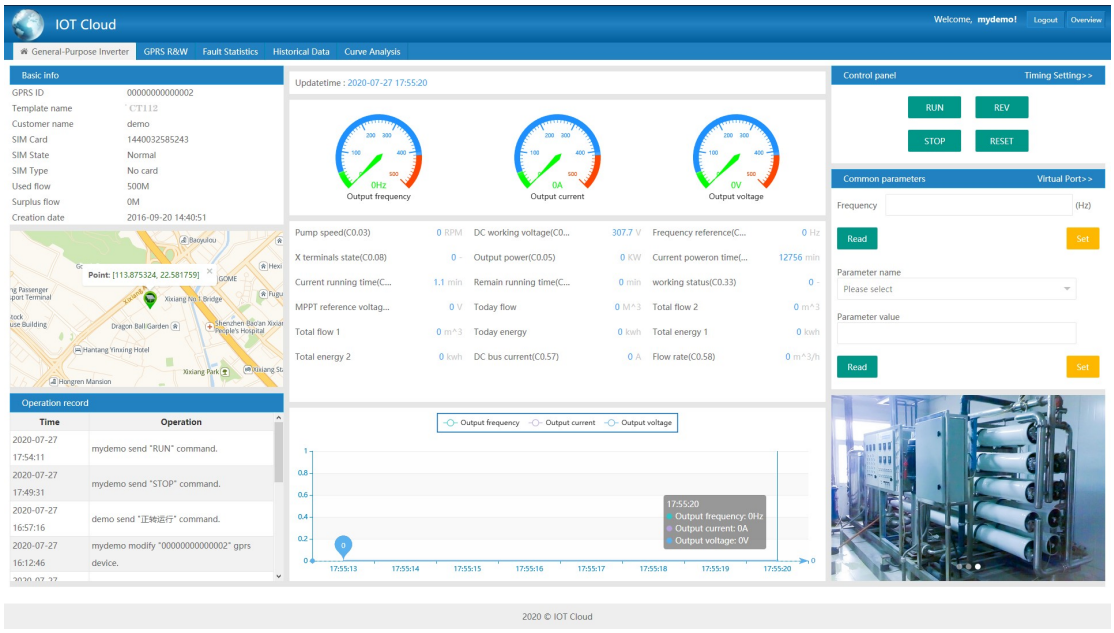
This area includes GPRS distribution on the map and GPRS search function.

Input GPRS ID (limited to 14 digit characters) in the search box, press enter or click the search icon to search the geographical location and online status of GPRS on the map. For example, enter "00000000000002" and press enter to search, as shown in the figure below:



*Note: the green mark on the map is online, and the red mark is offline.

Click "GPRS ID" to enter the GPRS real-time monitoring page. For example, click "00000000000002" in the above figure to enter the real-time monitoring page, as shown in the figure below:



3、Overview

This interface displays all GPRS information under the current login account in the form of tag card, and provides GPRS search function.

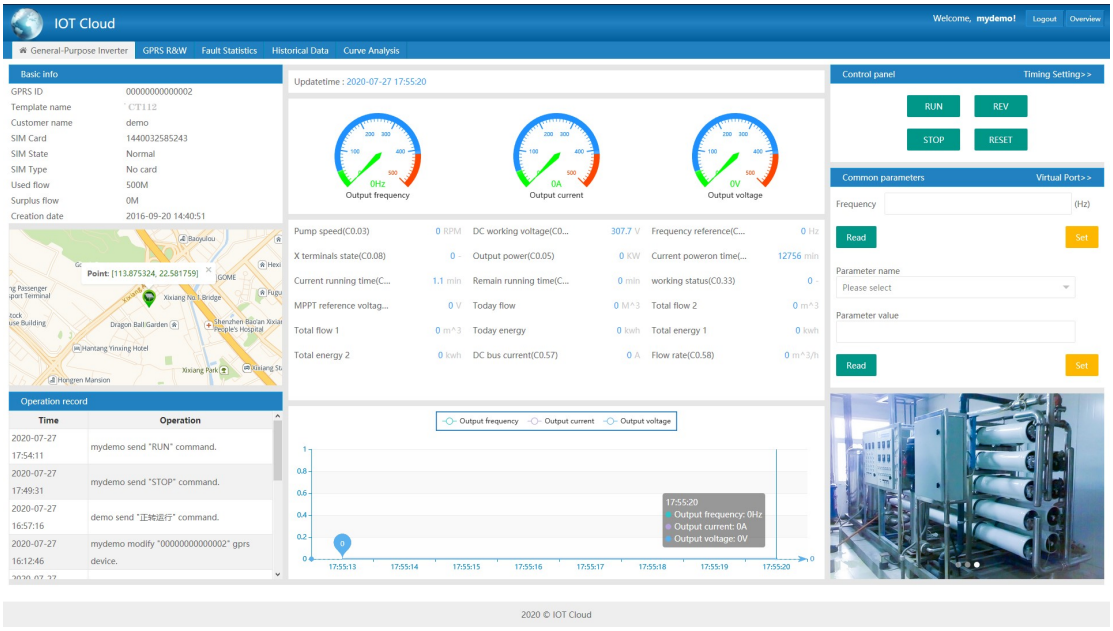
3.1 Tab card information

1) GPRS application industry picture: Click to enter the real-time monitoring page.
2) Signal icon: indicates the signal strength of the location when GPRS is online.
3) Basic information: GPRS ID, GPRS owner, parameter template used, remarks, update time.
4) Operation function button: use this function can remote control the on-line devices which installed with the GPRS.

*Note: the background of tag card is blue, which means GPRS is online; gray background is GPRS offline。

3.2 Real-time monitoring

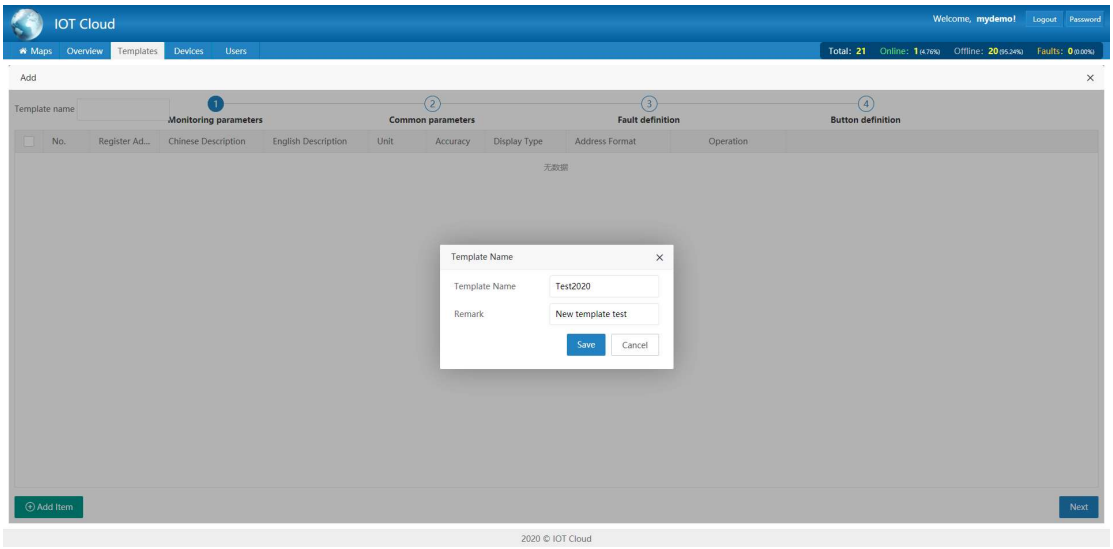
Click GPRS application industry picture to enter the real-time monitoring page.



4、Templates(Parameter template)

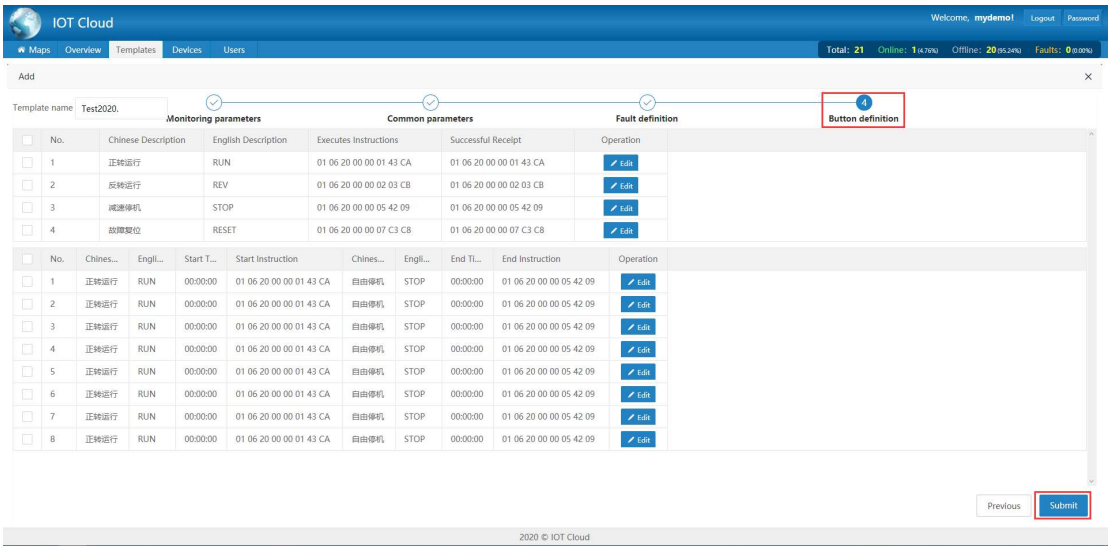
4.1 New parameter template

Click the "add" button in the upper left corner, and enter the interface as shown in the figure below:



After filling in the template name and remarks, click save, and the prompt "save successfully" indicates that the new empty template has been added successfully.

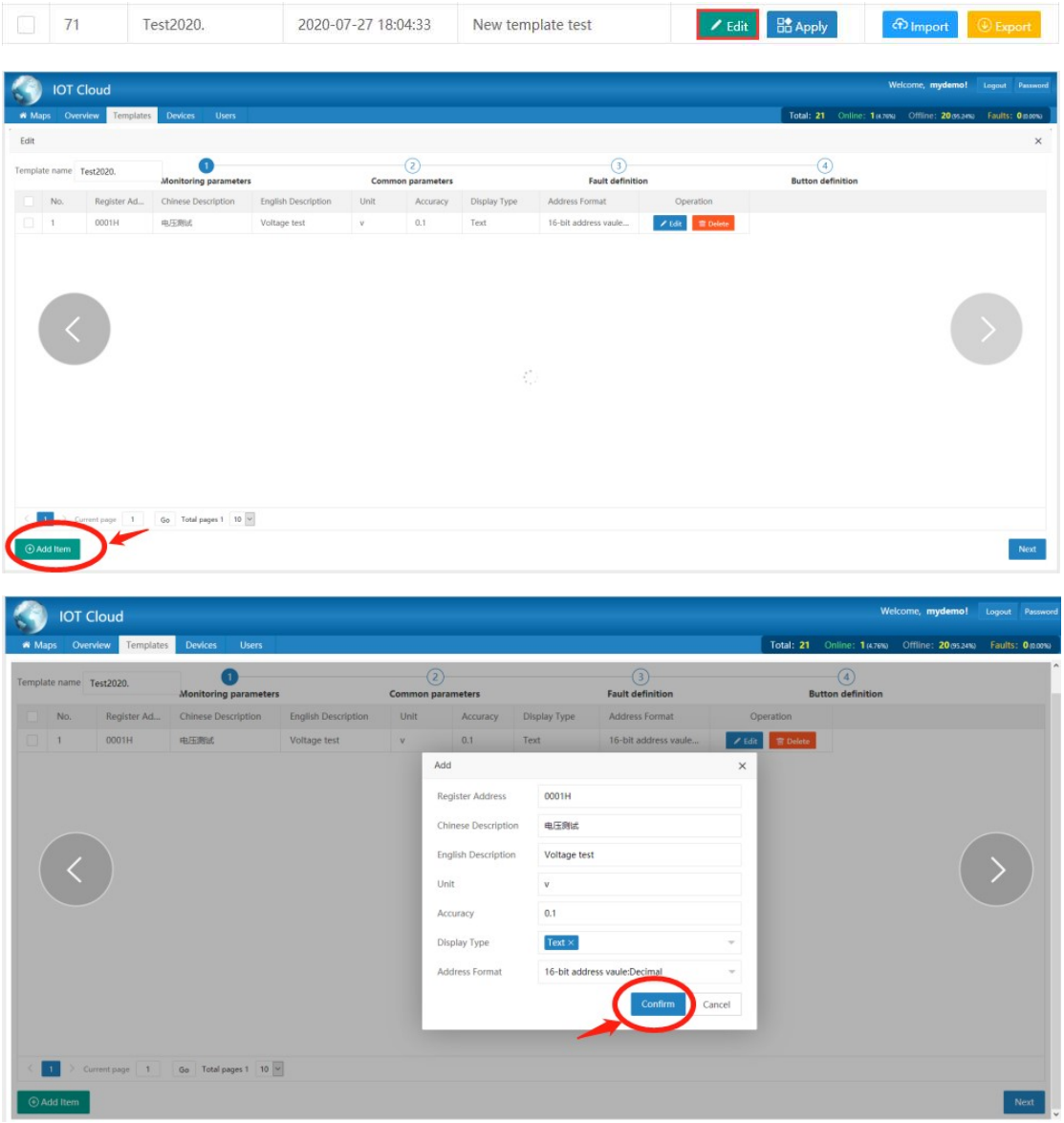
Then click "next" to step 4 "button definition" page (this operation is to write the basic parameters of "button definition" into the newly added empty template), as shown in the following figure:



Click "submit" , pop up the prompt of "submitted successfully" . at this time, click " X " (the top right corner of the page) to close the new page, and you can find the template new added in the last line of the template list, and the basic parameters of button definition have been written to the template.

4.1.1 monitoring parameters

Click the "Edit" button to pop up the interface of monitoring parameter . Click the "Add item" button to enter the interface of parameter editing , then click the "confirm" button to complete the parameter item addition. as shown in the figures below.



The pop-up interface will not be closed automatically. You can continue to add parameters to be monitored. At the same time, the list also provides editing and deleting operation functions.

*Note: the parameters added and confirmed in this step are only added and saved in the current monitoring parameter table, but not written into the template. If the parameters to be added are written into the template immediately, click "next " to step 4 "button definition" page, click "submit" in the lower right corner, and prompt "submitted successfully", all parameters have been written into the template. If the operation is wrong and the "submit" is

not executed, then the "button definition" of the template is blank. You can delete and create a new one, or refer to 4.5 parameter template import.

4.1.2 Common parameters

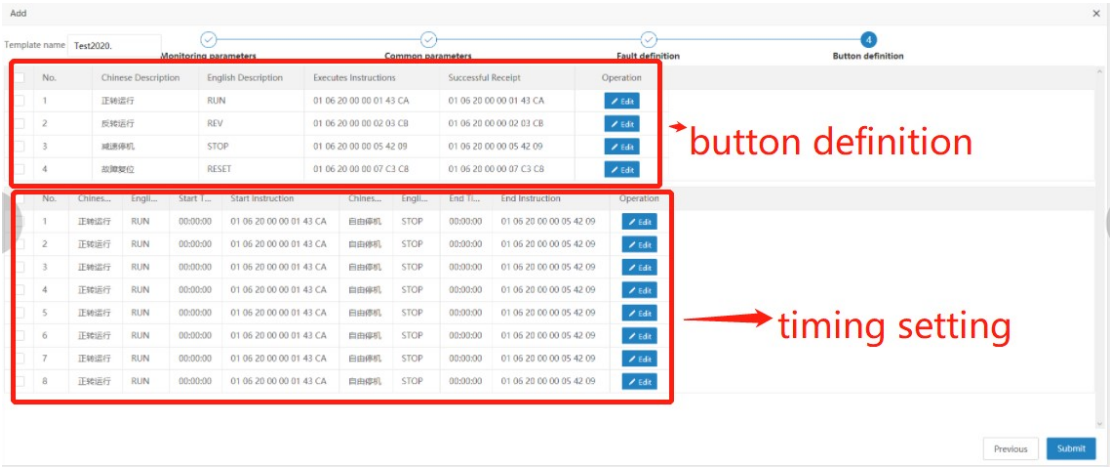
The operation is similar to the operation of monitoring parameters in 4.1.1.

4.1.3 Fault definition

The operation is similar to the operation of monitoring parameters in 4.1.1.

4.1.4 Button definition

This function block includes the basic button definition and timing settings, and provides editing functions. As shown in the figure below:



When editing, please enter the time in English format. After editing,click"confirm". In order to make it effective, click "submit" in the lower right corner to write it into the template.

4.2 Edit parameter template

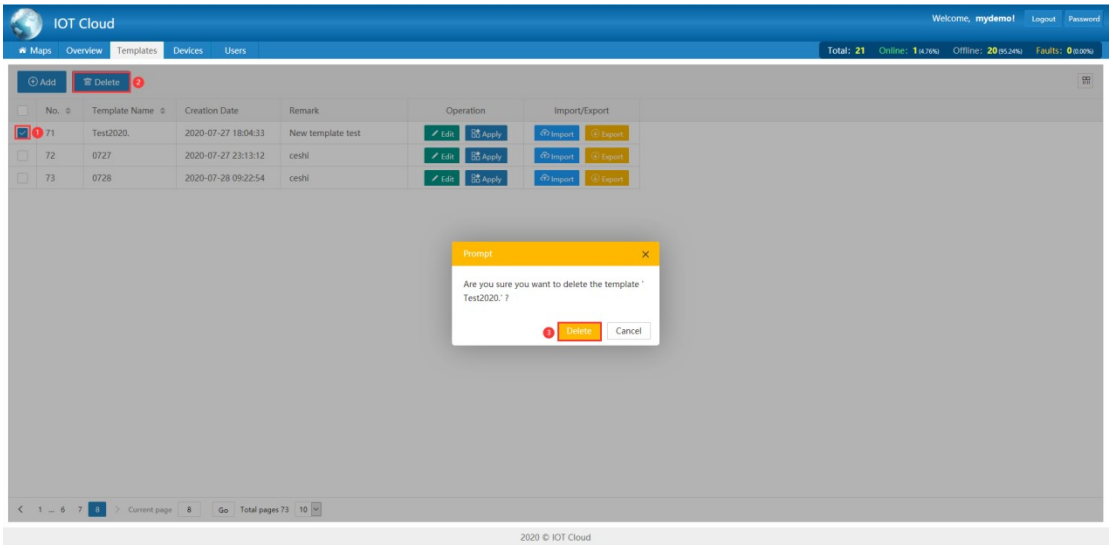
Find the template you want to edit, and click " Edit" button of the line, as shown in the following figure:

The following operation is similar to 4.1.1-4.1.4.

*Note: If you want to make each step take effect immediately, please click "next" button enter step 4 "button definition" interface , and then click "submit" button to write it into the template.

4.3 Delete parameter template

Select the check box in front of the row of the parameter template to be deleted, and click the "delete" button in the list head to pop up a warning prompt, as shown in the figure below:

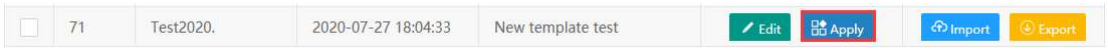


Click "delete" to delete the parameter template.

*Note: if the parameter template is in use by GPRS, it cannot be deleted.

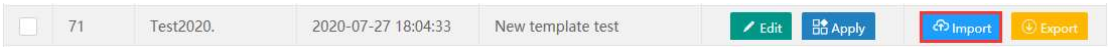
4.4 Parameter template application

If you want to query which GPRS use the template, click the "apply" button in the line, as shown in the figure below:

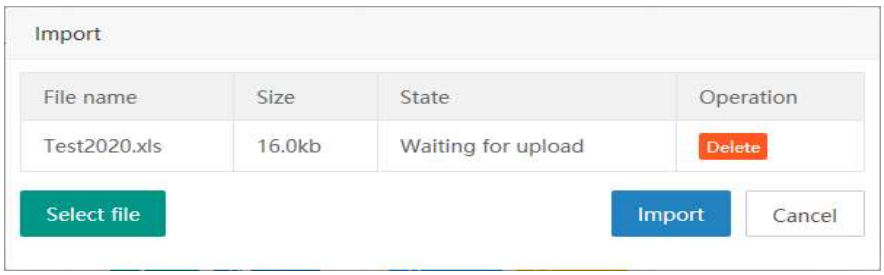


4.5 Parameter template import

Click the "Import" button in the row where the parameter template is to be imported, as shown in the following figure:



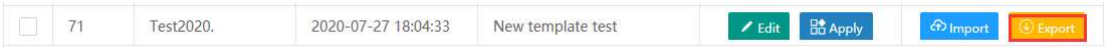
Select the parameter template file to import, as shown in the following figure:



user can override the new empty template by importing the parameter template

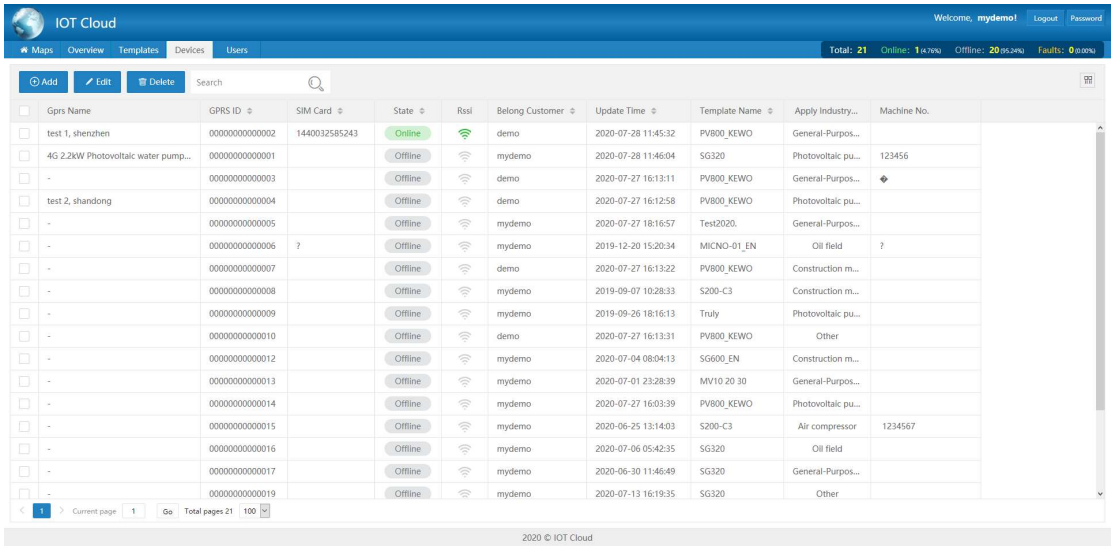
4.6 Parameter template export

Click the "export" button to export the parameter template, as shown in the following figure:



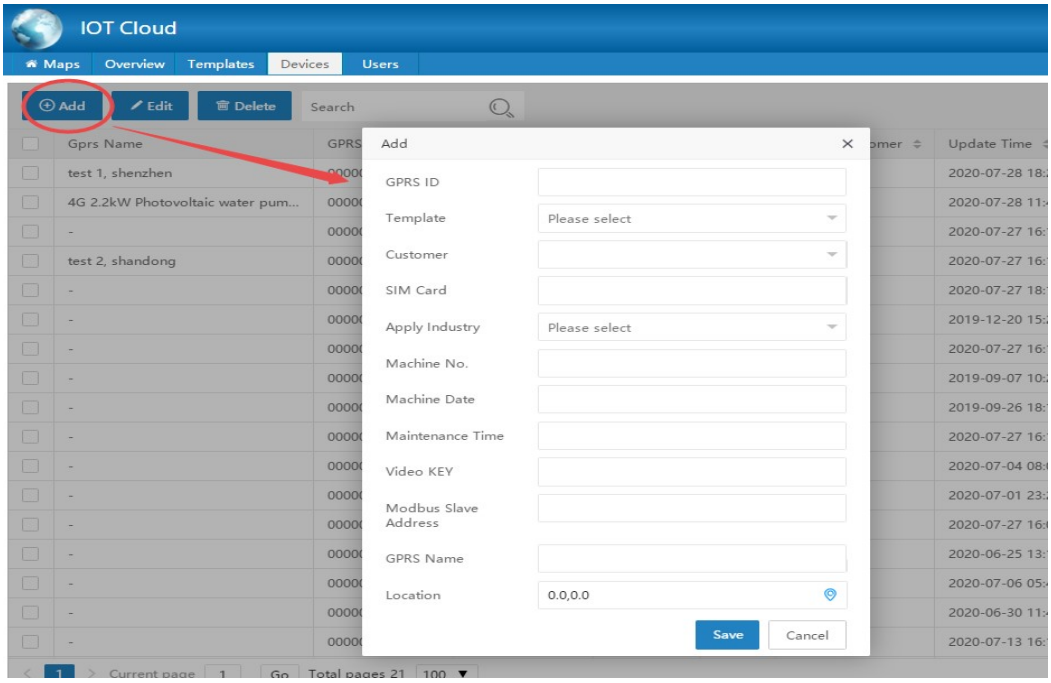
5、Devices (devices management)

This interface user can add, edit and delete GPRS devices, and search GPRS ID , display GPRS list information. As shown in the figure below:

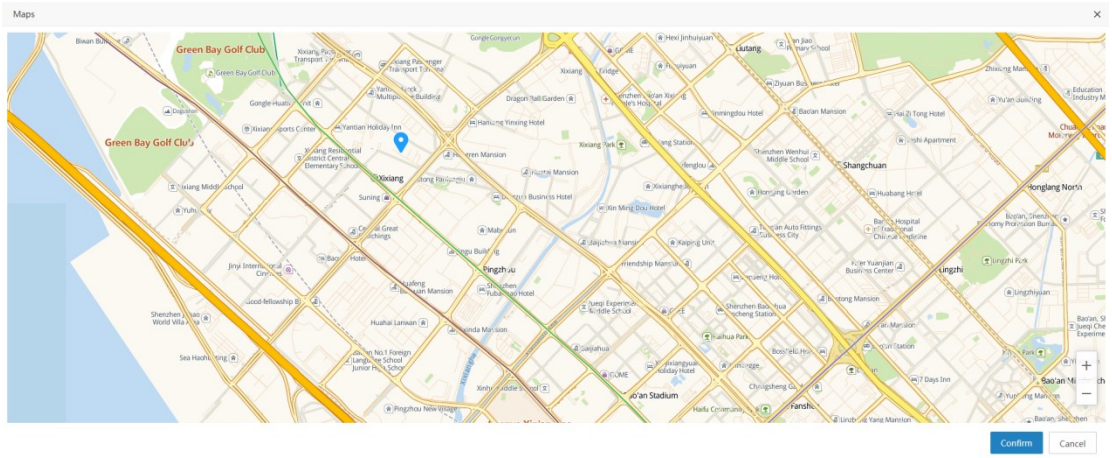


5.1 Add new devices

Click "add" button to pop up the new add edit box, select the application parameter template, subordinate customer, application industry, geographical location, and fill in GPRS ID, GPRS name, SIM and other information. As shown in the figure below:



Click the location selection icon , enter the map, manually locate the GPRS geographic location, and then left click the location on the map. The obtained annotation is the location to be located. Click "confirm", as shown in the following figure:



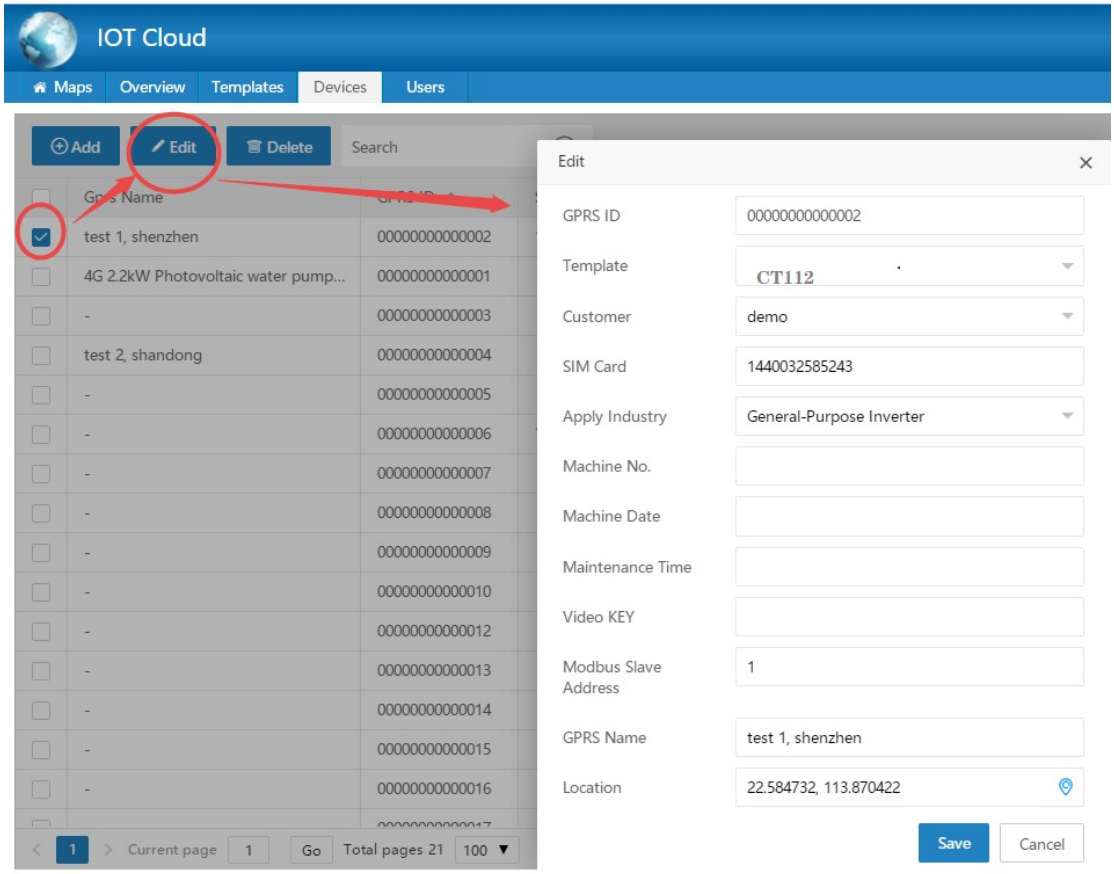
Click “save” and prompt "add successfully", indicating that it has been added successfully.

5.2 Edit devices

Check the box in front of the line of GPRS to be edited and click the "Edit" button to pop up the edit box. As shown in the figure below:

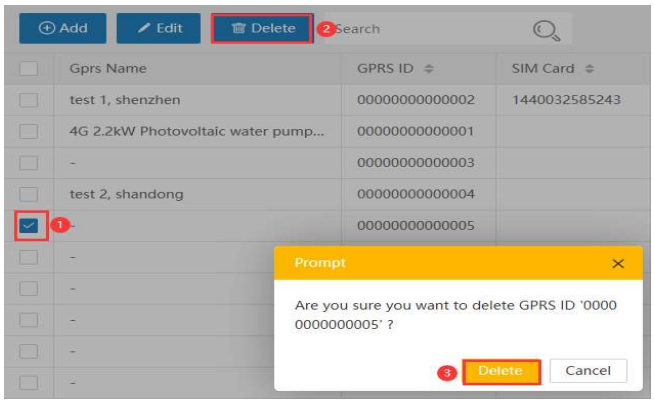
Select the application parameter template, subordinate customer and application industry,

fill in the GPRS name, SIM number, machine serial number. After editing, click "save" and prompt "Edit successfully", then the editing is effective.



5.3 Delete device

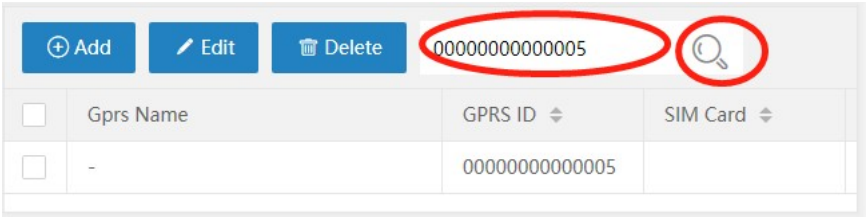
Delete the device as shown in the figure below:



5.4 Search device

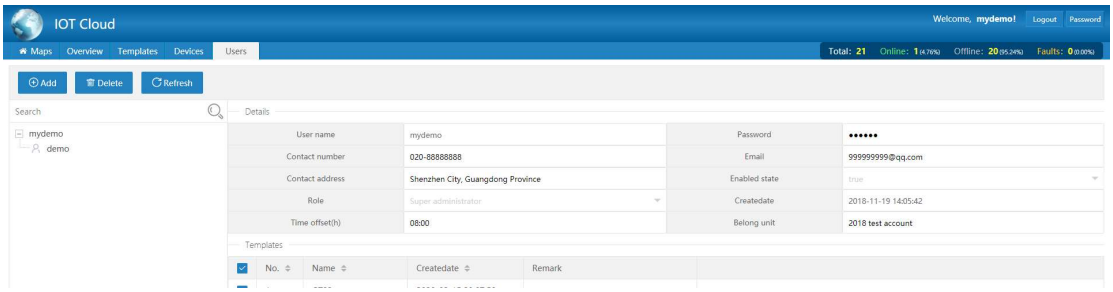
Enter the GPRS ID (limited to 14 digits) in the search box, and then press enter or click the

search icon, as shown in the following figure:



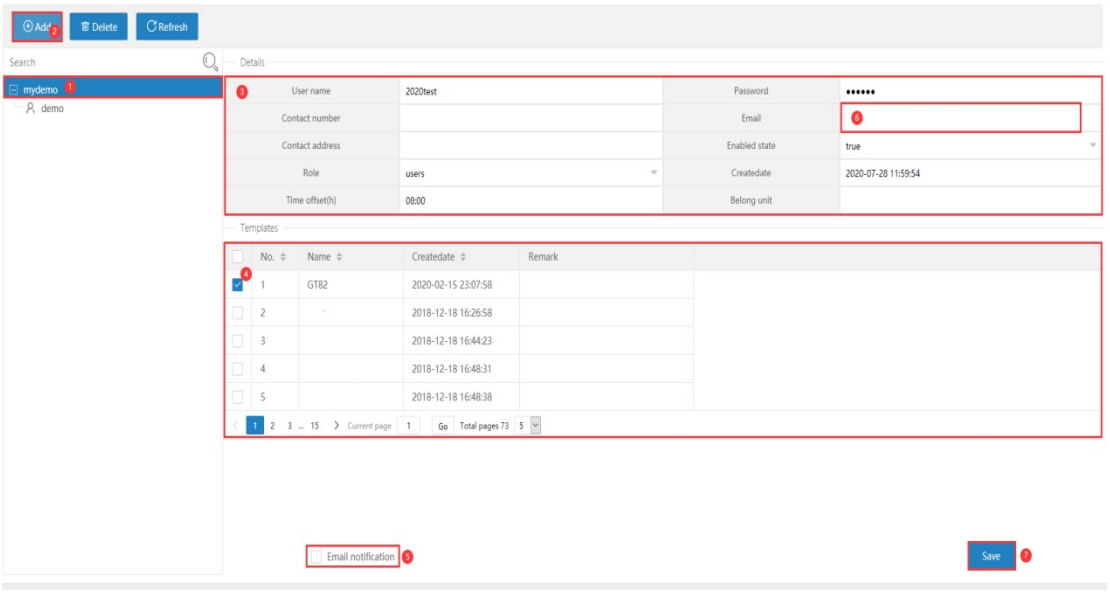
6、user management

User management includes the operation functions of adding, editing, deleting and parameter template assignment. As shown in the figure below:

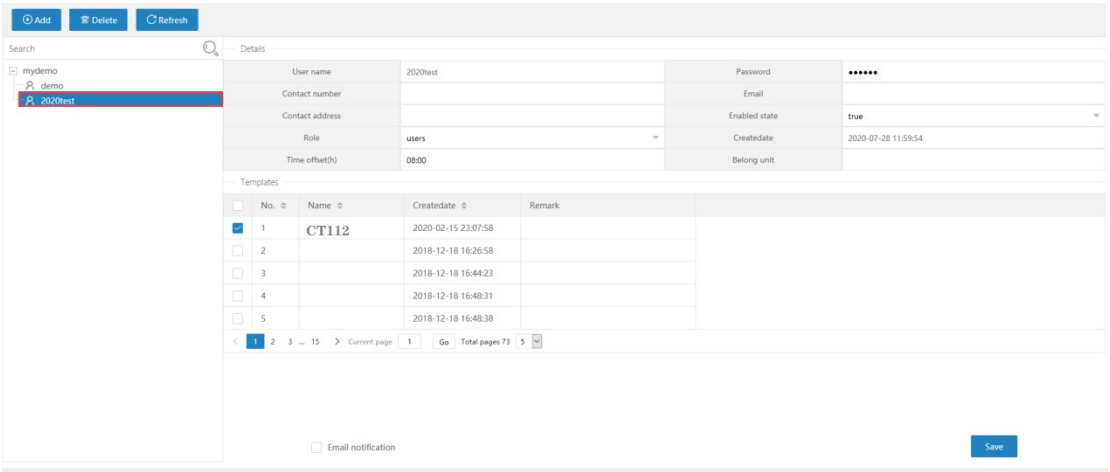


6.1 New add users

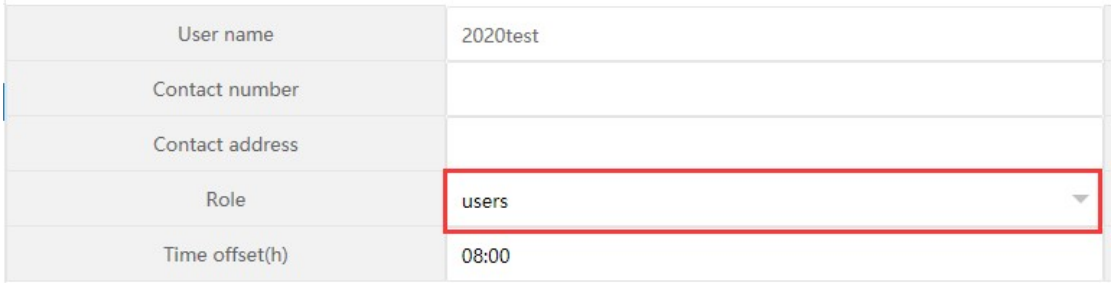
Click the user name which need add sub user in the user list， Then click the "add" button, enter the user name, password, contact number and e-mail in the detailed information list, and select the management role. Then assign the specified parameter template to the sub user, so that the sub user does not have to re create the parameter template from scratch. As shown in the figure below:



If "email notification (5)" is checked, you must fill "email address (6)" . The platform will send an email to remind the sub users that they have created an account on this platform. Click "save" and prompt "save successfully", then a new sub user has been created successfully. The left tree user list will automatically refresh the new sub users. Click to select the new sub user name to view the details. As shown in the figure below:



*Note: when choosing to assign the management role, it is recommended not to assign the super administrator role to the sub-user easily, because the super administrator can directly operate the relevant parameters of the parameter template, and it is easy to cause unnecessary trouble and loss. As shown in the figure below:



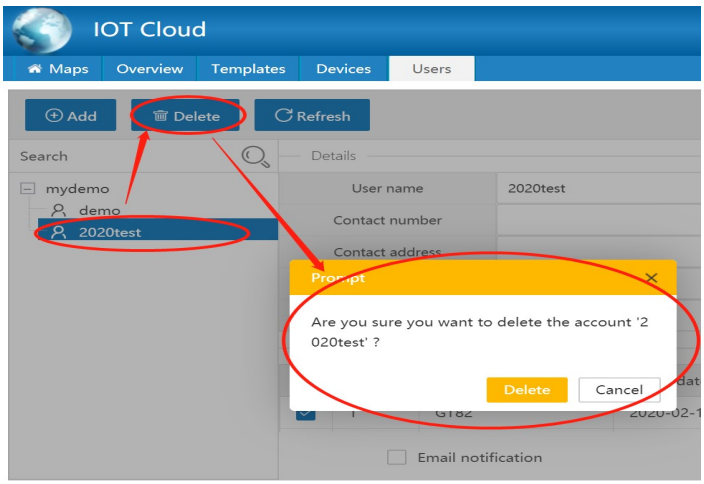
6.2 Edit user

The operation is similar to that of creating a new user in 6.1. First, click to select the user name to be edited in the tree type list on the left. The background is blue, indicating that it has been selected. Then modify the detailed information and allocation parameter template on the right. After editing, click the "save" button in the lower right corner, and the prompt "save successfully" will indicate that the editing has been successful.

*Note: the user name and creation date cannot be edited.

6.3 Delete user

Click to select the user name to be deleted from the user tree list on the left, and then click the "delete" button to operate follow the prompt, as shown in the figure below:

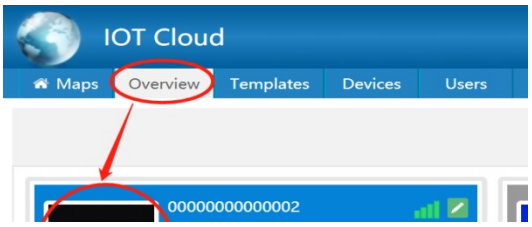


Click delete, prompt "delete successfully" and refresh, then the deletion is successful.

*Note: the current login user cannot be deleted.

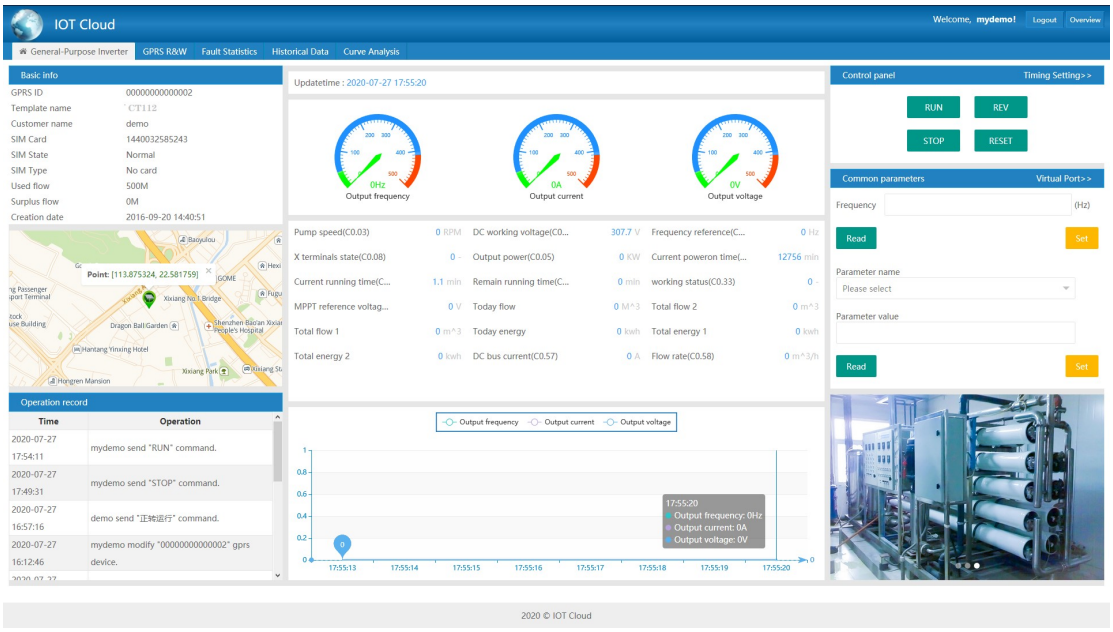
7、Real time monitoring

1) Click the industry picture of the tag card to enter the real-time monitoring interface. As shown in the figure below:



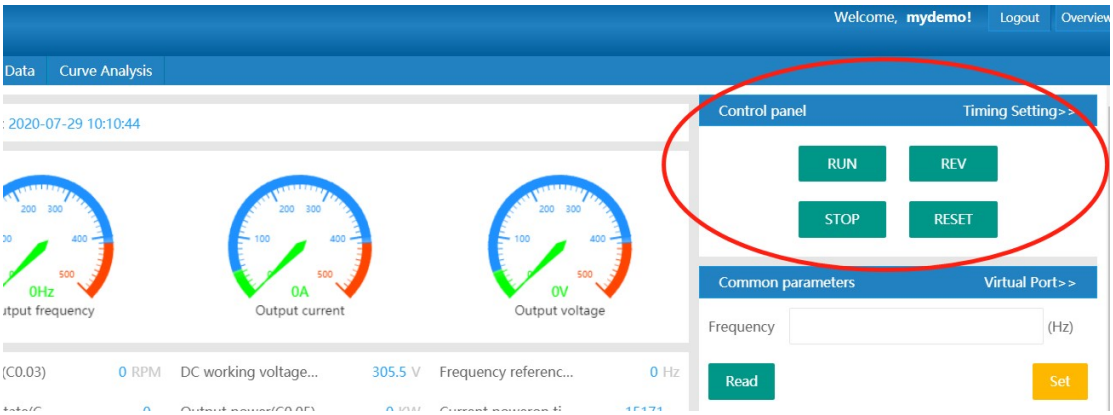
2) In different application industries, the layout of real-time monitoring interface is different, and the function block is also different. The following is an introduction to the general inverter industry as an example. The interface include three parts:

Left: GPRS basic information, coordinate geographic location map, operation record;
Middle: real time instrument panel diagram, real-time information of monitoring parameters and real-time curve;
Right: control panel (including timing setting), common parameters (including virtual serial port), application industry rotation chart (including real-time monitoring video);
Right: control panel (including timing setting), common parameters (including virtual serial port), application industry rotation chart (including real-time monitoring video);
As shown in the figure below:

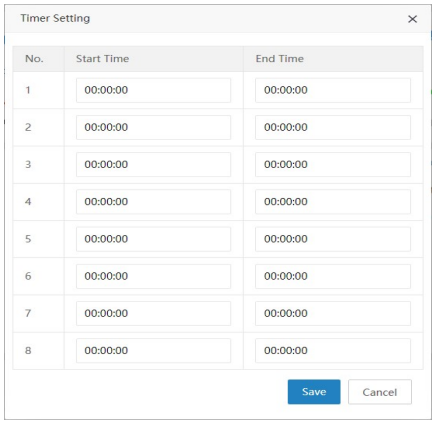


7.1 Control panel

Click these buttons to remotely operate the field equipment through GPRS.

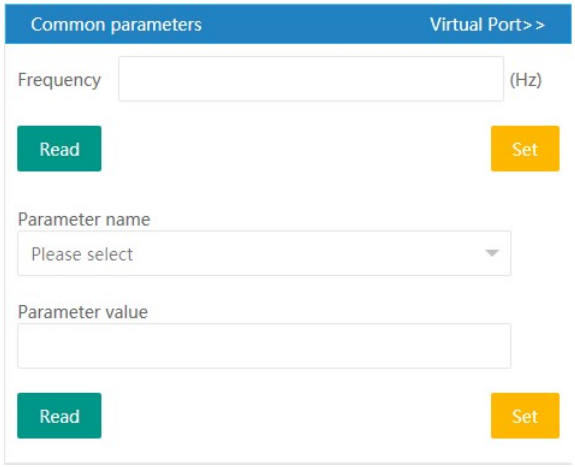


The timing setting indicates that the specified operation is performed at a specified time in the future. For instruction setting, refer to the timing setting in button definition of 4.1.4. Here, only start and end time editing are involved. As shown in the figure below:

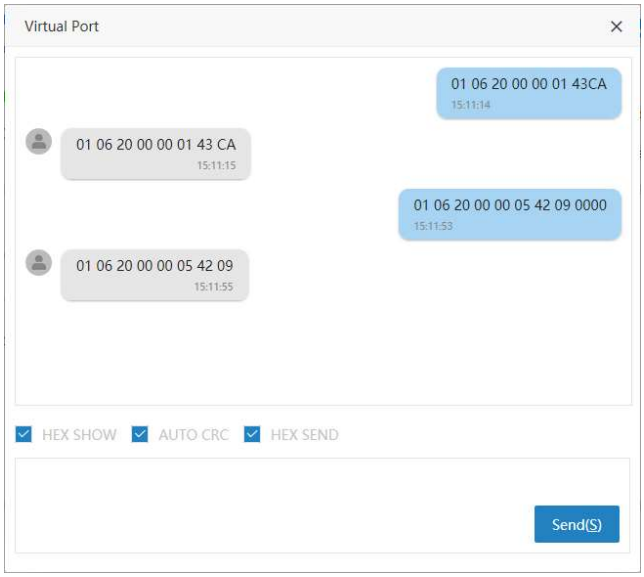


7.2 Common parameters

Remote read and write the common parameters of the working equipment through GPRS. As shown in the figure below:



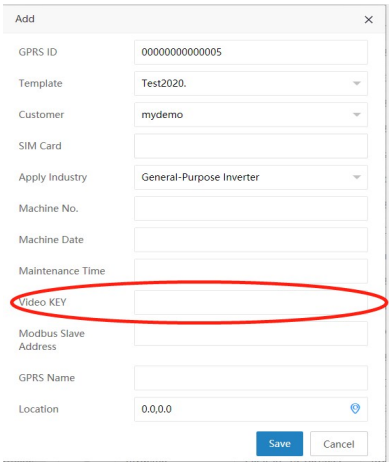
The virtual serial port remote controls the working equipment through GPRS in the form of sending instructions. As shown in the figure below:



“0000”The blue background command "01 06 20 00 00 01 43 CA" in the above figure indicates that the "start" command has been issued. In fact, only "01 06 20 00 00 01" was issued, and "43 CA" was checked automatically by "auto CRC". Of course, you can also directly issue a complete command verified by yourself, such as "01 06 20 00 00 05 42 09" stop command. If "auto CRC" is checked, it will automatically add "0000".
The gray background instruction "01 06 20 00 00 01 43 CA" is the system return instruction, and the return instruction is consistent with the sending instruction, indicating that the issued instruction is executed successfully.

7.3 Real time video monitoring

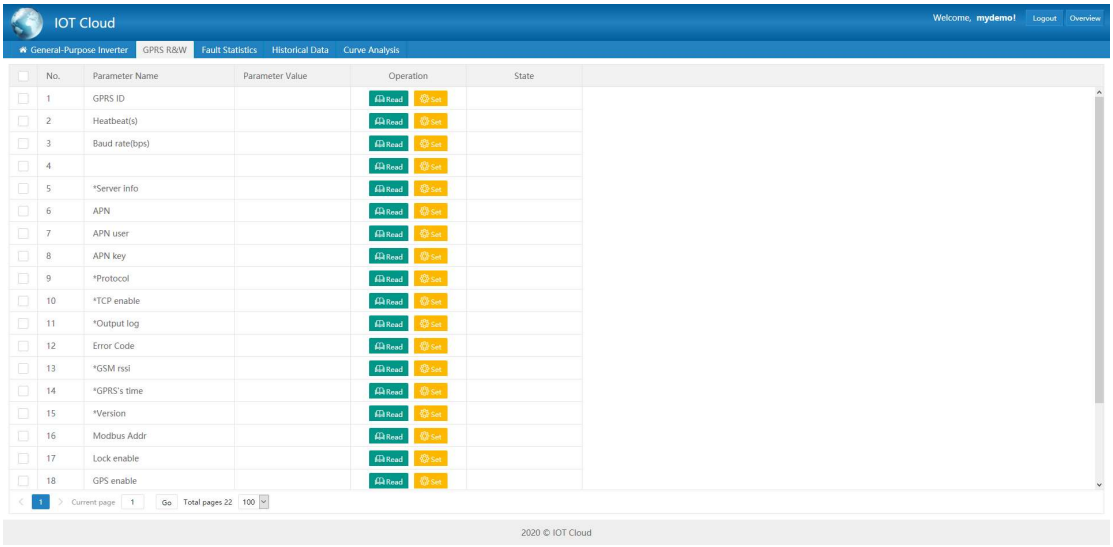
When adding new equipment in 5.1 or editing equipment in 5.2, fill in the correct monitoring video address in the "video key" box (as shown in the following figure:),



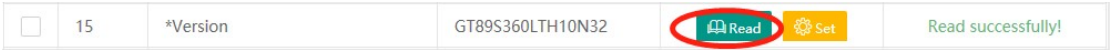
What is shown here is no longer the application industry rotation chart, but real-time monitoring video. As shown in the figure below:

8、GPRS R &W

For GPRS, read-set operation is provided. Please operate the set function carefully. Once the set error occurs, GPRS and the platform cannot be connected. As shown in the figure below:

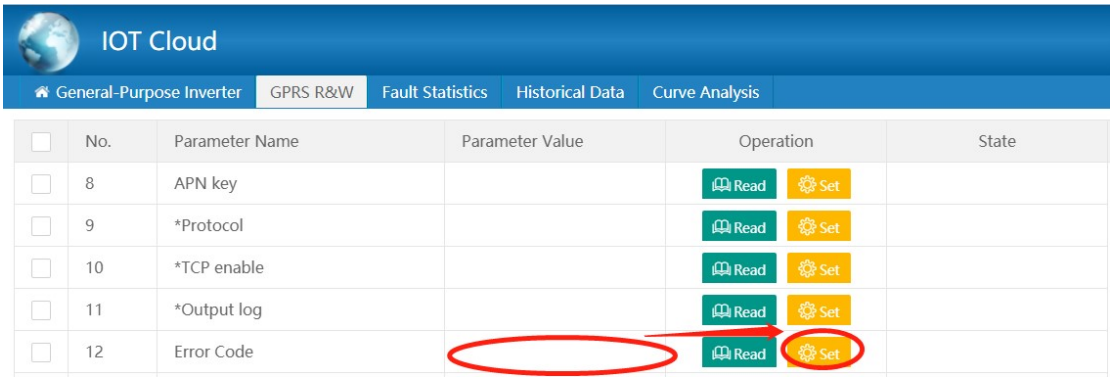


8.1 GPRS Read



Click "read" to read and prompt "read successfully!" , the read operation is successful。

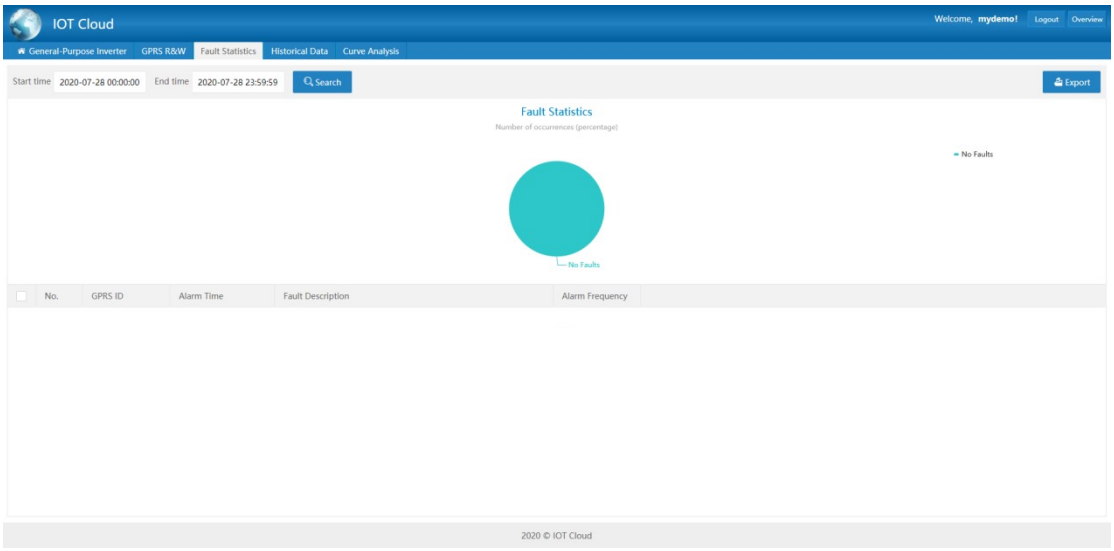
8.2 GPRS Set



After entering the function code, click "set" to prompt "set successfully!" , the setting operation is successful.

9、Fault Statistics

Fault statistics is to statistic all the faults (pie chart and report) occurred on the same day of the equipment which install GPRS, and provides search and export excel functions. As shown in the figure below:

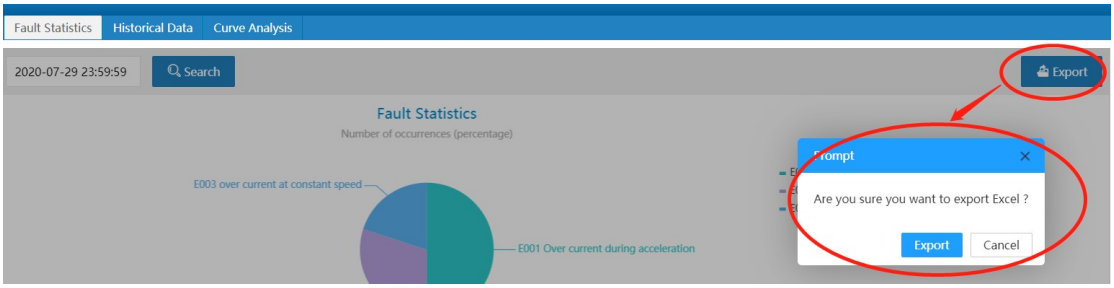


9.1 Search faults

Select a time period (the end time must be greater than the start time), and click "search" button to query the faults (pie chart and report) occurred in the selected time period.

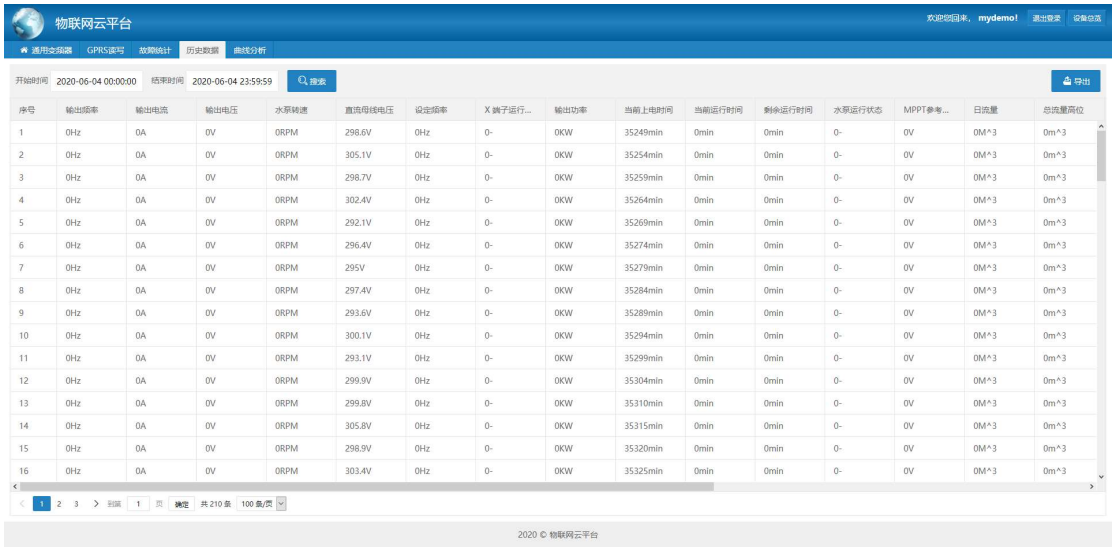
9.2 Export fault

Click the "export" button to export the failure statistics Excel table. As shown in the figure below:



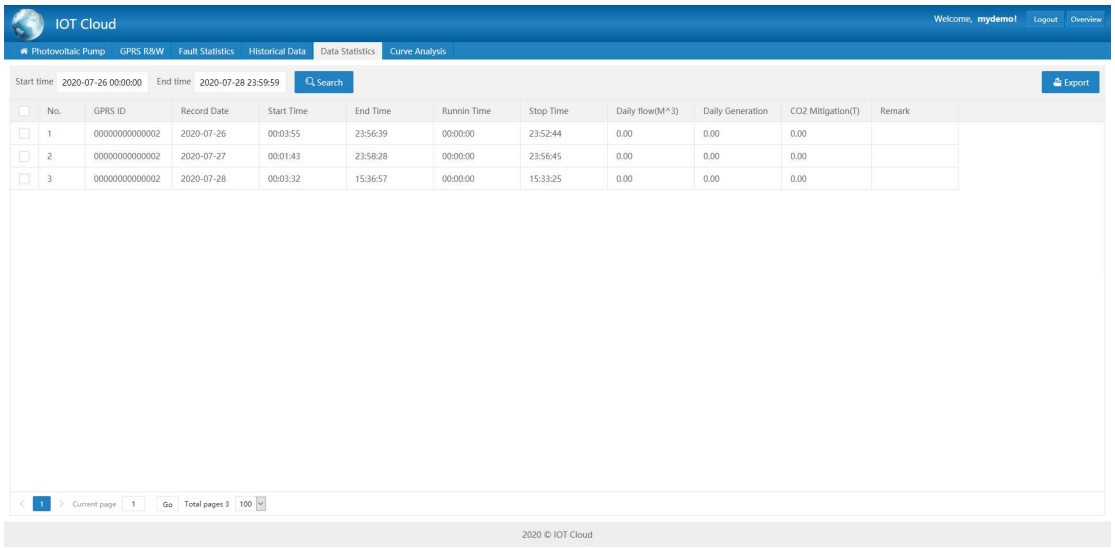
10、Historical Data

The historical data is presented in the form of a list. Users can enter time periods to search and export data, as shown in the figure below:



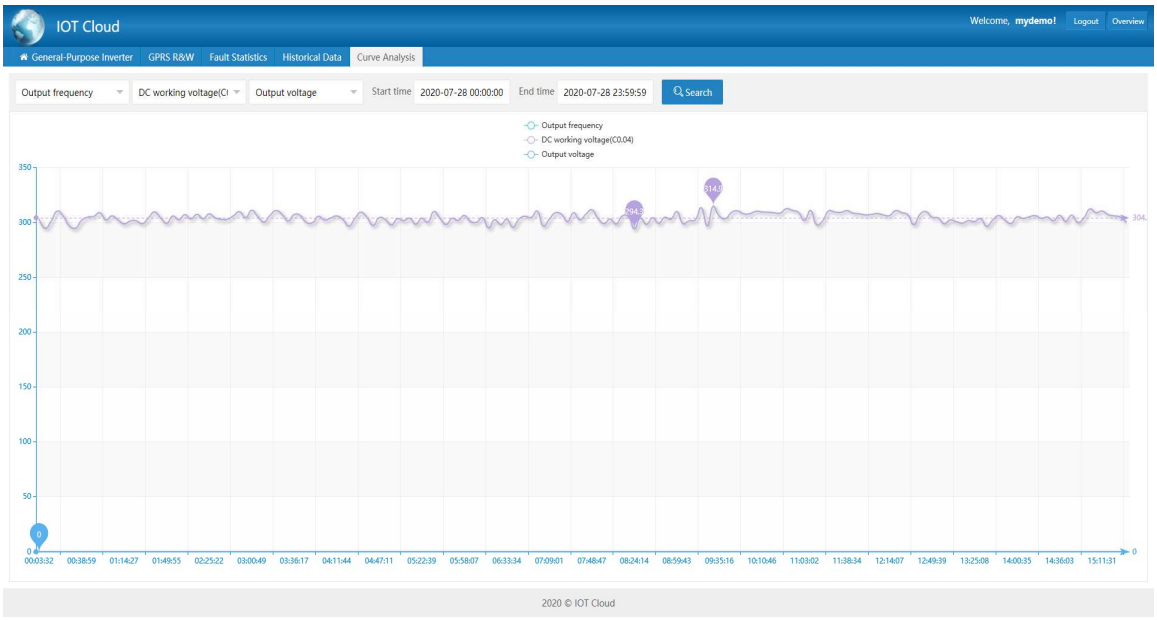
11、Data statistics

Data statistics are presented in the form of a list. Users can enter time period to search and export data, as shown in the figure below:



12、Curve analysis

Display the historical data curve of various parameters of the running equipment collected on that day. You can search according to the time period, and then select the parameters corresponding to the drop-down box to display the relevant curves.



13、Notes

➢ The setting of terminal equipment number (GPRS ID) and platform equipment number (GPRS ID) must be consistent, and the fixed length of GPRS ID is 14 digits.

➢ When editing device management and user management, GPRS ID, creation time and user name cannot be changed.

➢ It is not possible to set the parameters for the terminal device in working state.

➢ Another parameter cannot be read or set while the remote read-set operation for a parameter has not been completed.