

Home

Model: IoT90-OMS

ONV Backstage Management System (version 2.0) It is a software platform that centrally controls multiple devices and helps the enterprise management system. It can support remotely monitor and operate the equipment, count the equipment operating status, effectively organize the breakdown repair, and ensure that the equipment runs well. The system provides four main functions: homepage information statistics, equipment management, alarm management, statistics. And system permission setting as well.



Functions

1. Visually display the device location, online status and personnel location through the map.

2. Statistics of equipment quantity and operation status through charts
3. The chart shows the trend of IoT intelligent box failures in the past week and statistics of operation and maintenance costs
4. Display real-time alarm information by scrolling
5. Count the devices with the top 5 cumulative failures in the month
6. Count the types of faults that top10 cumulative faults in the month



Button

Click “中” to switch between Chinese and English interface

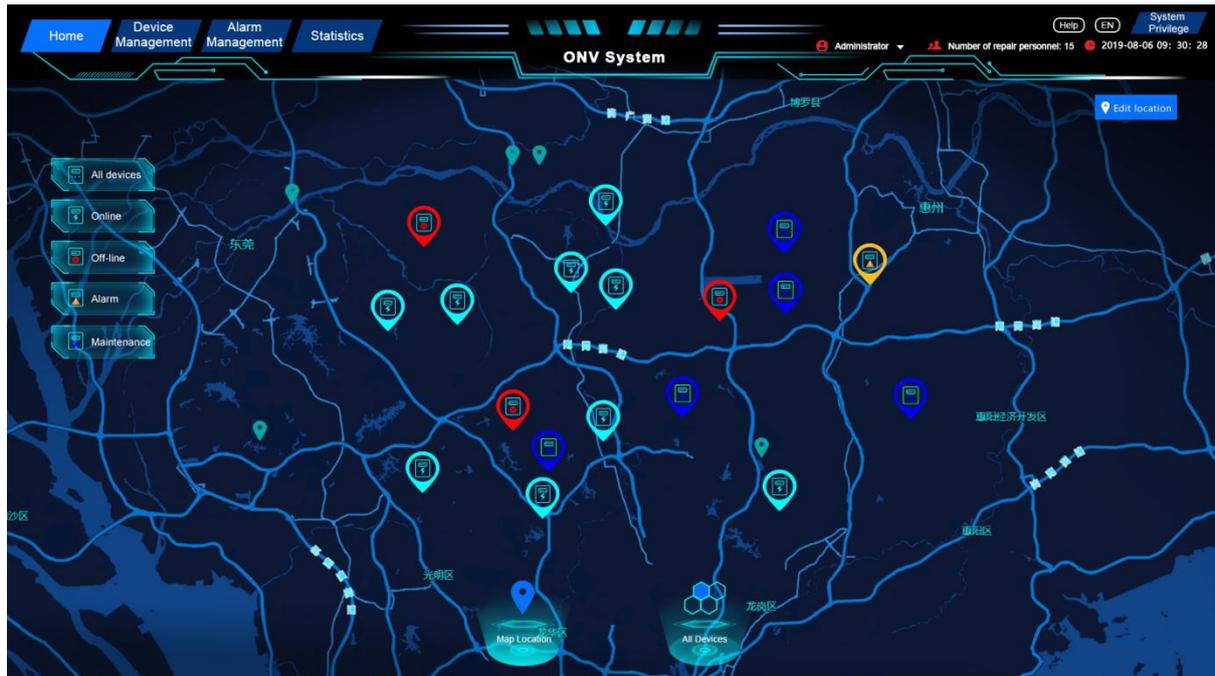
Click "Device Management", "Alarm Management", "Statistics", "System Permissions" to enter the corresponding page

Click "Enter Map Positioning" to enter the map positioning interface

Move the mouse to the role: such as the "Operation and Maintenance Staff", prompt box appears: "change password", "logout", "logout account", click to perform the corresponding operation.

Map Location Page

Functions



Through the large-screen view on this page, the device position and operating status are fully displayed, and the device status is displayed in categories.

Button

Click "All Devices" to display all device status

Click "Online Device" to display all online devices

Click "Offline Devices" to display all offline devices

Click "Alarm Device" to display all alarm device conditions

Click "Maintain Equipment" to display all the equipment under maintenance

Click "Map Location" below to display the search box, enter the device ID in the box to search for the location

Click "View current address list" to display all the specific addresses, click "Previous" and "Next" to turn pages

Click "All Devices" to enter all device status pages

Click "Edit Location" to enter the location editing interface

Device Status Overview Page

Functions



Through the large screen view on this page, it shows the overall situation of all equipment, displays various operating states and number of equipment by category, and provides the latest alarm list of equipment which is convenient for viewing.

Button

When the mouse is hovered to the device number area, the corresponding address information can be displayed, and the device detailed information pop-up box will be displayed when clicked;

Turn the page by clicking "<" ">" at the bottom of the device's latest alarm list

Return to the map positioning page by clicking "Back"

Device Management -IoT Intelligent Box List Page

Functions

ID	Device name	Device ID	Status	userCode	Location	Device type	Person in Charge	Descri...	Update time	Maintenance settings	Operating
39	深圳北	00-00-00-00-00-01	offline	00001	广东省深圳市福田区泰然八路	智能电源箱	杨工	无	2020-04-30 10:30:26	End maintenance status	View Set watchd
40	福田	00-00-00-00-00-02	offline	000002	广东省深圳市福田区莲花街道新闻路86号	智能电源箱	杨工	无	2020-03-26 16:34:40	Set maintenance status	View Set watchd
41	南山	20-77-59-02-EF-1E	offline	000002	广东省深圳市福田区莲花街道香梅路1074号	智能电源箱	杨工	无	2020-04-08 09:42:22	Set maintenance status	View Set watchd
42	龙华大浪	00-00-00-00-00-04	offline	sz000009	广东省深圳市龙岗区宝龙街道红荔西路1740号	智能电源箱	杨工	大浪001	2020-02-23 18:19:19	Set maintenance status	View Set watchd

The table on this page lists information about the IoT intelligent box.

Set the IoT intelligent box maintenance status settings, check the IoT intelligent box, and set the watchdog and other functions.

Button

Click "Set maintenance status" in the maintenance setting column to set the device to maintenance status, and click "End maintenance status" to cancel the maintenance status.

Click the operation column "Click to view" to enter the IoT intelligent box status setting interface

Click the operation column "Set watchdog" to open the watchdog edit box to edit and modify the corresponding setting information.

Click "<" ">" at the bottom of the device's latest alarm list to turn the page, directly click the corresponding number to enter the corresponding page, or enter the number in the jump box to jump directly to the corresponding page

Device Management -IoT Intelligent Box Status Settings Page

Functions



This page displays the IoT intelligent box detailed information: including location, operating status, specific parameters, I/O port status, and PoE port status and settings, etc., support realize reclosing function and alarm temperature setting, and view equipment maintenance records.

State description

Relevant parameters such as "box door" are normally displayed in blue and abnormally in red;
The blue indicator light ● below the cabinet is normal, and the red indicator ● is abnormal alert

Button

Click "Maintenance settings" to set the device to the maintenance state

Click "Reclosing" to realize the function of reclosing

Click the switch button of the corresponding port of the I/O port, and click "Send a command" to turn on / off the corresponding port

Click "Setting" at the PoE port to open the setting switch, click the switch button of the corresponding port to turn on / off the corresponding PoE port

Click "Alarm temperature setting" of other settings to select the appropriate temperature value, click "Submit" to set the alarm temperature range

Click on the "Equipment maintenance records" of other settings to view the list of equipment

maintenance records.

Click "Switch configuration" to enter the switch configuration interface of the IoT intelligent box

Remarks:

If an alarm occurs:

Click the pop-up box "Close alarm" to close the alarm pop-up box;

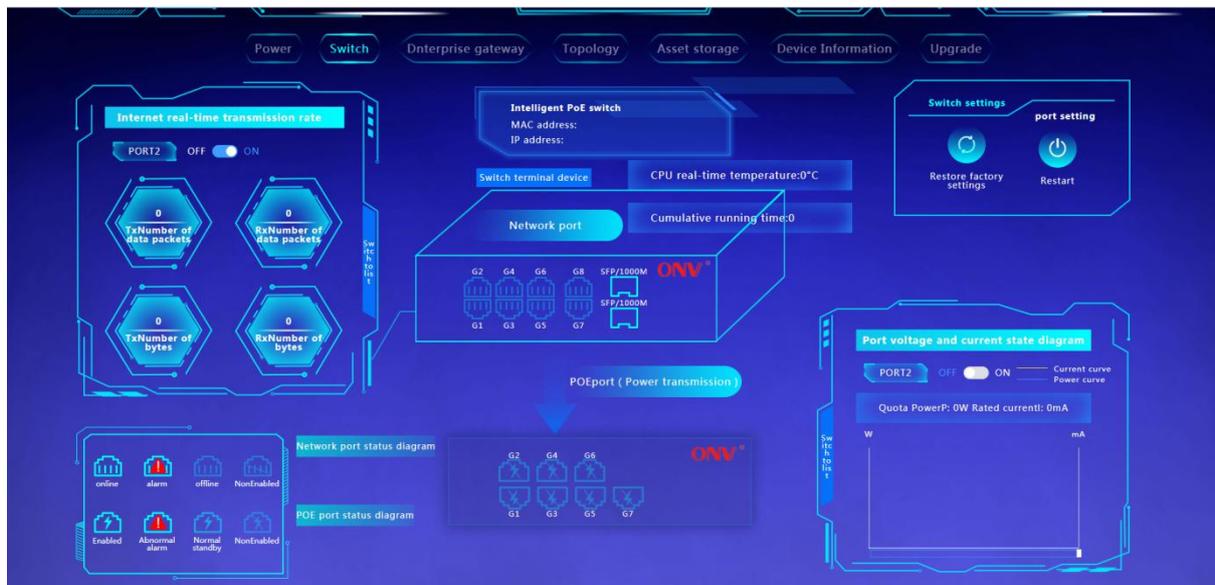
Click "Clear" to clear the alarm information item

If the door is opened:

Click the x in the upper right corner of the video playback box to close the video box

Device Management-Switch Configuration Page

Functions



This page displays information about the switches inside the IoT intelligent box:

Including location, specific parameters, I/O port status, real-time transmission rate of each port, POE port power status, and port voltage and current curve, etc., to achieve remote control of the switch and each port.

Button

Click "Switch to list" to display the real-time transmission rate of the port and the details of the PoE port

Click the relevant icon of "Switch settings" to realize the operation commands of each switch

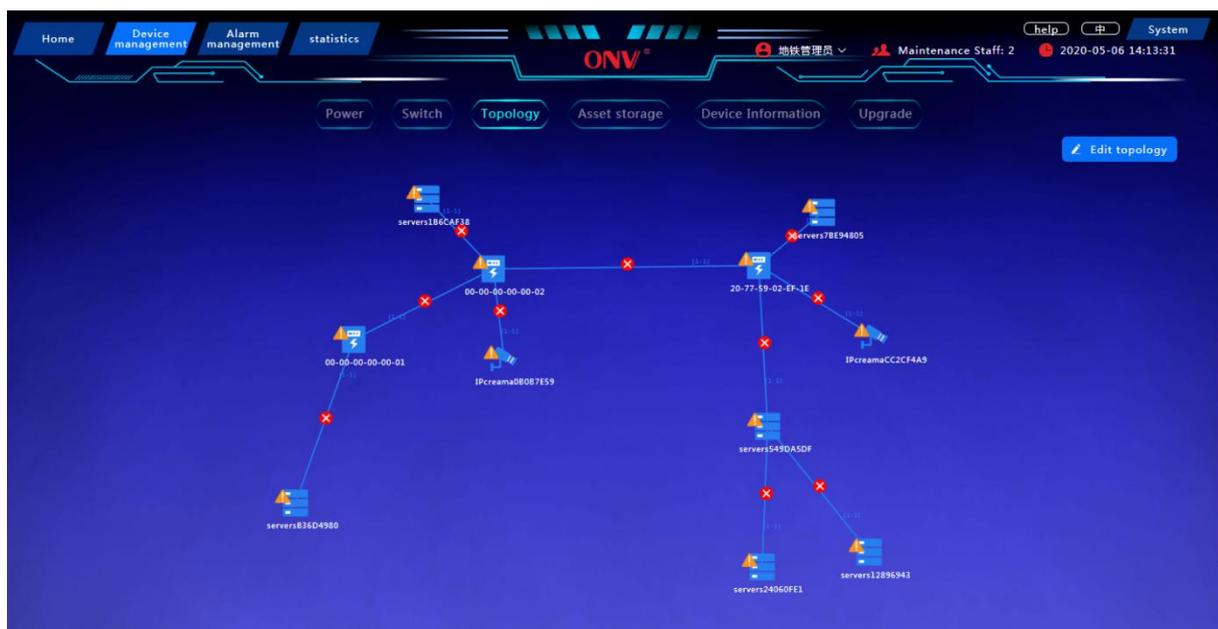
Click the relevant icon of "Port settings" to realize the port operation command

Click on the port switch in the online real-time transmission rate box and the port voltage and current graph to turn on / off the port

Click "Switch terminal device" to switch to terminal device view

Device Management-Topology Page

Functions



This page is a topology display of all devices, showing the cascade relationship and information transmission between devices, and support editing the topology map

Button

Click "Edit topology" to open the edit topology pop-up box for operation

Device Management-Asset Storage Page

Functions

Id	warehouseName	Material name	Material type	Quantity	Quantity	USD/CNY	Operating
1	深圳地铁仓库	开关电源	电源	63	台	10	edit
2	深圳地铁仓库	开关电源2	电源	80	台	10	edit
3	深圳地铁仓库	开关电源3	电源	87	台	10	edit
4	yun个人仓	开关电源	电源	12	台	0	edit
5	深圳地铁仓库	5A	网线	0	米	12	edit
6	yun个人仓	开关电源3	电源	5	台	0	edit
7	yun个人仓	5A	网线	9	台	0	edit
8	yun个人仓	开关电源2	电源	9	台	0	edit

This page records, organizes and encodes all assets for easy viewing and management Including: IoT intelligent box coding, IoT intelligent box management, material library management, material type management, material warehouse .

Button

IoT Intelligent Box Coding

Click "add code" to encode the newly entered IoT intelligent box

IoT Intelligent Box Management

Click "Add IoT intelligent box" to add a new IoT intelligent box

Click "Edit" in the list to edit the corresponding IoT intelligent box information.

Click on "Stop" in the list to mark the corresponding IoT intelligent box information as a scrap status.

Material Library Management

Click the material warehouse box to select the corresponding material warehouse

Click "Add material" to open the add material pop-up box, edit the related material information, and complete the material addition

Click "Edit" in the list to open the material details pop-up box to edit and modify the corresponding material information

Material Type Management

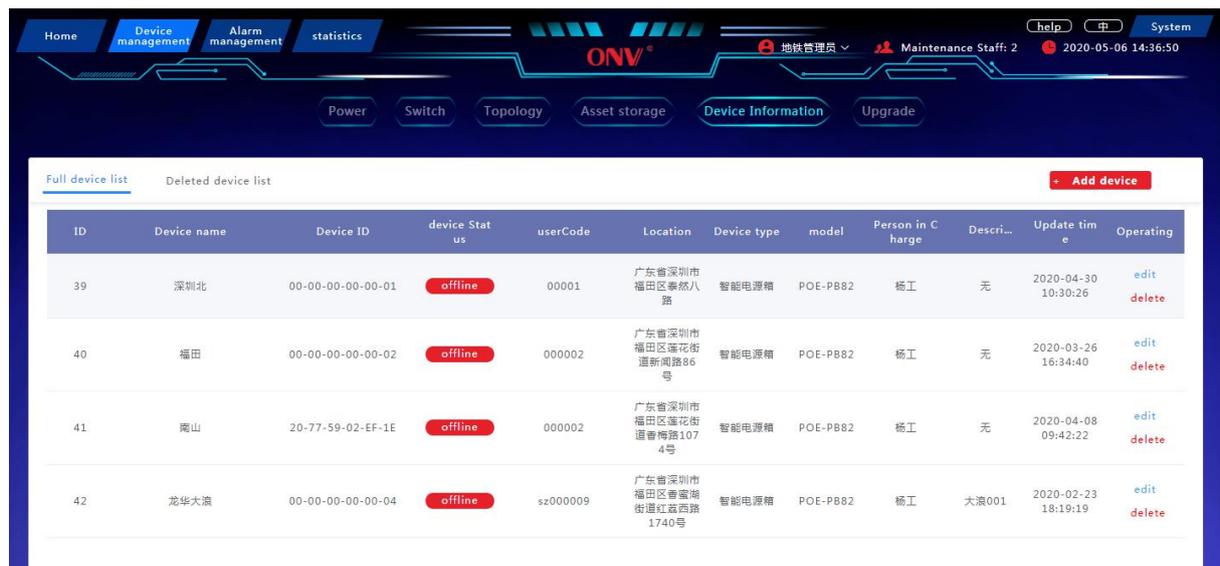
Click "Add material type" to open the material type details pop-up box, edit the related material type information, and complete the material type addition

Material Warehouse Management

Click "Add warehouse" to open the warehouse details pop-up box, edit the relevant warehouse information, and complete the warehouse addition

Device Management-Device Information Page

Functions



The screenshot displays the ONV Device Management interface. At the top, there are navigation tabs for Home, Device management, Alarm management, and statistics. The main header includes the ONV logo, user information (地铁管理员), Maintenance Staff: 2, and the current date and time (2020-05-06 14:36:50). Below the header, there are buttons for Power, Switch, Topology, Asset storage, Device Information (highlighted), and Upgrade. The main content area shows a table with two tabs: Full device list and Deleted device list. A red button labeled '+ Add device' is located in the top right corner of the table area. The table contains the following data:

ID	Device name	Device ID	device Status	userCode	Location	Device type	model	Person in Charge	Descri...	Update time	Operating
39	深圳北	00-00-00-00-00-01	offline	00001	广东省深圳市 福田区泰然八 路	智能电源箱	POE-PB82	杨工	无	2020-04-30 10:30:26	edit delete
40	福田	00-00-00-00-00-02	offline	000002	广东省深圳市 福田区莲花街 道新洲路86 号	智能电源箱	POE-PB82	杨工	无	2020-03-26 16:34:40	edit delete
41	南山	20-77-59-02-EF-1E	offline	000002	广东省深圳市 福田区莲花街 道香梅路107 4号	智能电源箱	POE-PB82	杨工	无	2020-04-08 09:42:22	edit delete
42	龙华大浪	00-00-00-00-00-04	offline	sz000009	广东省深圳市 福田区香蜜湖 街道红荔西路 1740号	智能电源箱	POE-PB82	杨工	大浪001	2020-02-23 18:19:19	edit delete

This page is a list of all equipment, easy to view and control

Contains: the full device list and the deleted device list.

Button

Full Device List

Click "Add device" to open the add device pop-up box, edit the related device information, and complete the device addition

Click "Edit" to open the device information pop-up box to edit and modify related information

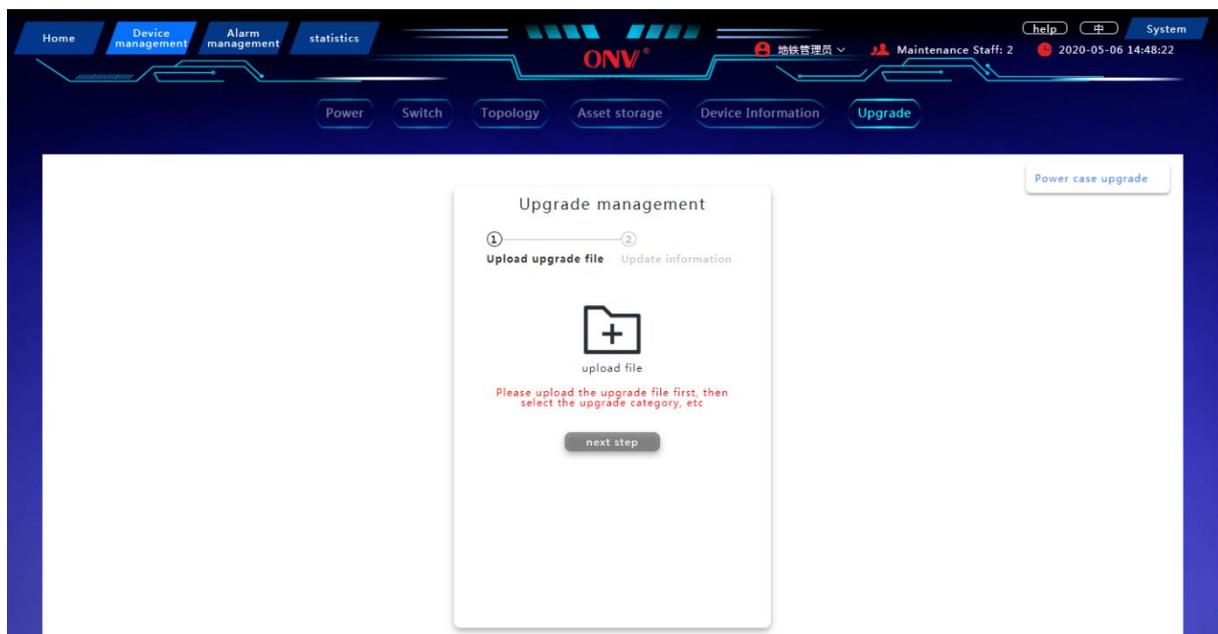
Click "Delete" to delete the corresponding device

Deleted device list

Click "Restore" to restore the device from the deleted device list to the full device list

Device Management-Upgrade Page

Functions



Complete the system upgrade of the IoT intelligent box and its application

Button

Click "IoT intelligent box upgrade" to open the upgrade management pop-up box and follow the prompts to complete the system upgrade

Click "Application upgrade" to open the application upgrade pop-up box and follow the prompts to complete the system upgrade

Alarm Management-Fault Information Page

Functions

ID	Device name	Device ID	Alarm code	Condition	Status	work order number	Description	Update time
10621	深圳北	00-00-00-00-00-01	A00000010814	门开	Undone	GD00000010817		2020-03-11 13:41:09
10620	深圳北	00-00-00-00-00-01	A00000010812	门开	Undone	GD00000010815		2020-03-11 13:36:35
10601	深圳北	00-00-00-00-00-01	A00000010786	门开	Undone	GD00000010789		2020-03-11 11:44:57
10600	深圳北	00-00-00-00-00-01	A00000010784	门开	Undone	GD00000010787		2020-03-11 11:42:51
10599	深圳北	00-00-00-00-00-01	A00000010782	门开	Undone	GD00000010785		2020-03-11 11:40:29
10587	深圳北	00-00-00-00-00-01	A00000010761	门开	Undone	GD00000010764		2020-03-10 16:50:02
8414	深圳北	00-00-00-00-00-01	A00000006414	门开	Undone	GD00000006416		2020-03-03 14:01:06
8412	深圳北	00-00-00-00-00-01	A00000006410	门开	Undone	GD00000006412		2020-03-03 13:53:39
7584	深圳北	00-00-00-00-00-01	A00000004769	门开	Undone	GD00000004771		2020-03-02 16:55:53
5898	福田	00-00-00-00-00-02	A00000001110	LINKDOWN	Undone	GD00000001112		2020-02-26 16:52:58

This page is a list of all fault information for easy viewing and management

Button

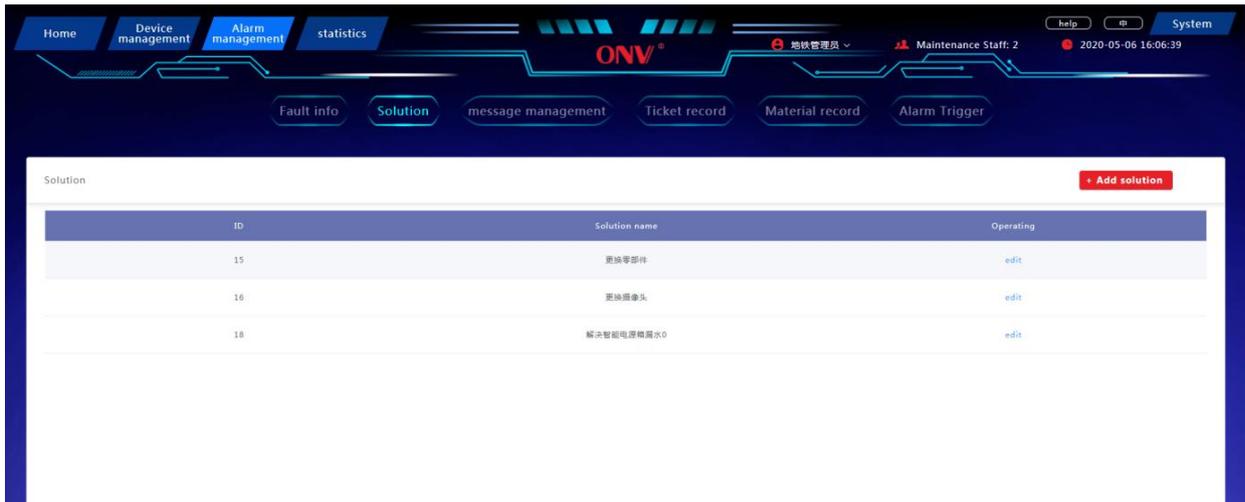
Click the filter box to select the time period;

Select the device code in the query box for quick query

If the alarm condition is the door open, click the corresponding camera to view the video

Alarm Management-Solution Page

Functions



This page is a list of all the corresponding solutions to the fault, easy to manage

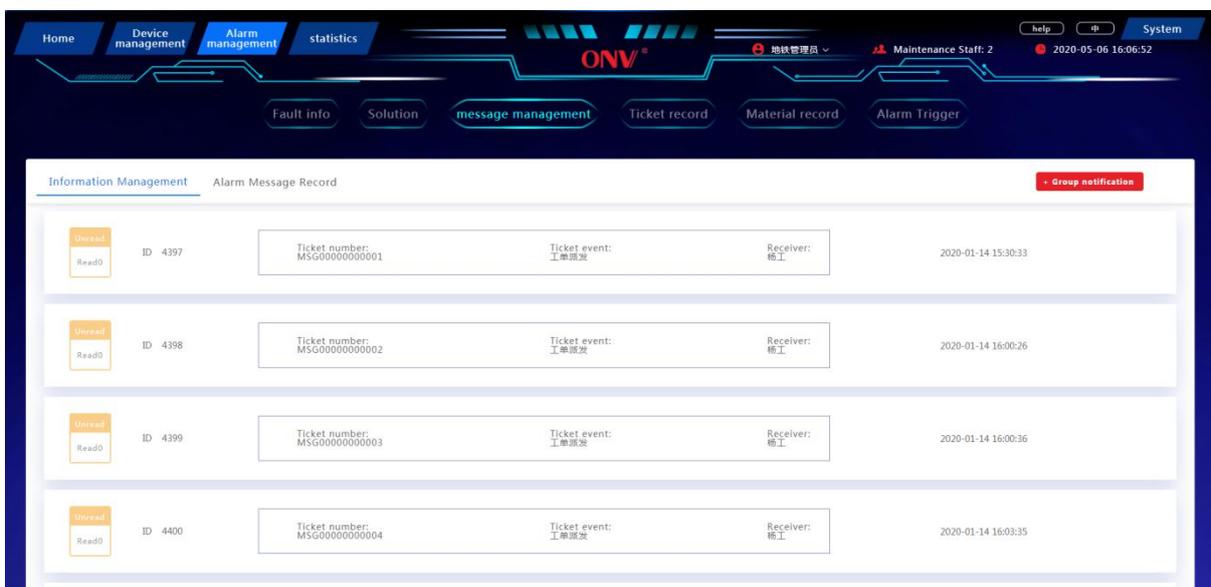
Button

Click "Add solution" to open the add solution pop-up box, edit related information, and complete the solution addition

Click "Edit" to open the solution pop-up box, edit and modify the corresponding fault solution

Alarm Management-Message Management Page

Functions



This page is a list statistics of all notification information for easy viewing and management

Button

Click "Group notification" to open the group notification pop-up box and write related notification information

Alarm Management-Ticket Record Page

Functions

ID	Device name	Device ID	Condition	Person in Charge	Category	Schedule	Solution	Picture	Description	Is it urgent	CreateTime	Update time	Operating
10520	福田	00-00-00-00-00-02	方法	技工	Manual order	Undo	更换摄像头		测试	not urgency	2020-04-09 11:00:41	2020-04-09 11:00:41	edit
10492	深圳北	00-00-00-00-00-01	门开	技工	System automatic order	Undo				urgency	2020-03-11 13:41:08	2020-03-11 13:41:08	edit
10491	深圳北	00-00-00-00-00-01	门开	技工	System automatic order	Undo				urgency	2020-03-11 13:36:35	2020-03-11 13:36:35	edit
10472	深圳北	00-00-00-00-00-01	门开	技工	System automatic order	Undo				urgency	2020-03-11 11:44:57	2020-03-11 11:44:57	edit
10471	深圳北	00-00-00-00-00-01	门开	技工	System automatic order	Undo				urgency	2020-03-11 11:42:51	2020-03-11 11:42:51	edit

This page is a list statistics of all ticket records for easy viewing and management

Button

Click "Add ticket" to open the add ticket pop-up box and edit related ticket information

Click the filter box to select the time period

The query box selects the device code and work order status to achieve fast and accurate query

Click "Edit" to open the ticket information pop-up box, edit and modify the corresponding ticket information

Alarm Management- Material Record Page

Functions

ID	Applicant	Applicant	Material details	Application Notes	CreateTime	Status	Operating
111	精工	spare	电源 开关电源2:2台 电源 开关电源3:2台	无	2020-03-09 15:17:33	Passed	unreceived
106	精工	GD00000000834	电源 开关电源3:1台		2020-02-20 16:12:01	Audit not passed	reviewed
94	精工	spare	电源 开关电源:2台	无	2020-02-13 21:25:31	check pending	review
92	精工	spare	电源 开关电源:3台		2020-02-11 14:17:42	check pending	review
91	精工	spare	电源 开关电源:2台		2020-02-11 14:13:43	check pending	review
90	精工	GD00000000864	电源 开关电源:2:1台		2020-01-17 13:56:51	Revoked	NO
87	SZM001	GD00000000881	电源 开关电源:3台		2020-01-17 11:24:02	check pending	review
86	SZM001	GD00000000883	电源 开关电源:3台		2020-01-17 11:23:16	check pending	review

This page is a list statistics of all work order material information for easy viewing and management

Button

Click the filter box to select the time period

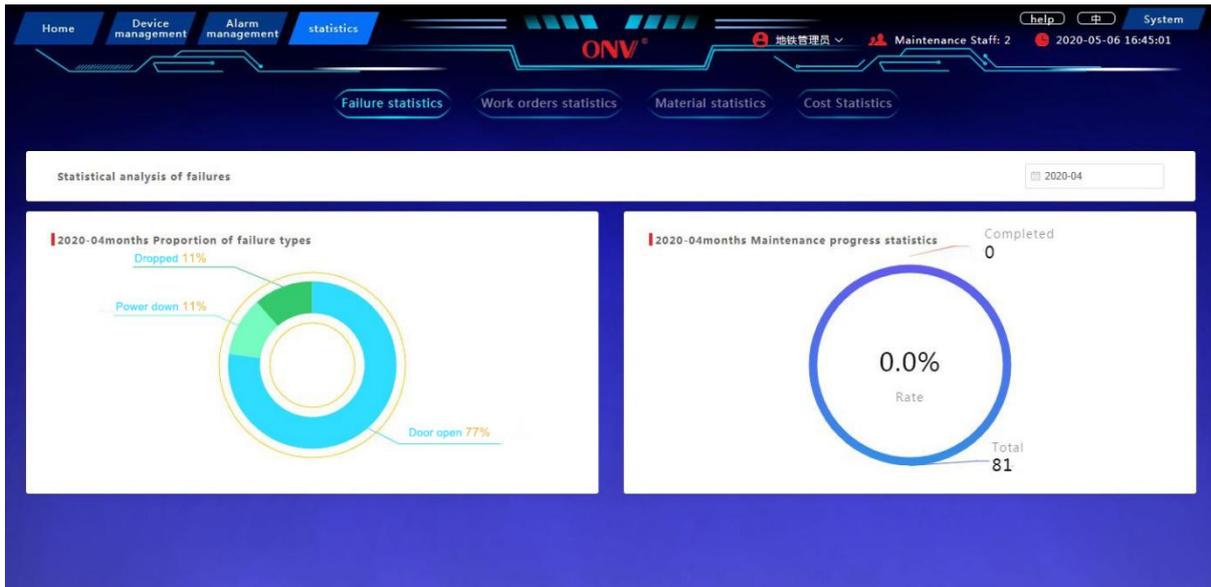
Select the applicant and material collection status in the query box to achieve fast and accurate query

Click the "Audit" in the action column to open the audit information pop-up box, edit and modify the corresponding audit status

Click "Set as claimed" in the action column to change the status of the material work order to claimed

Statistics-Failure Statistics Page

Functions



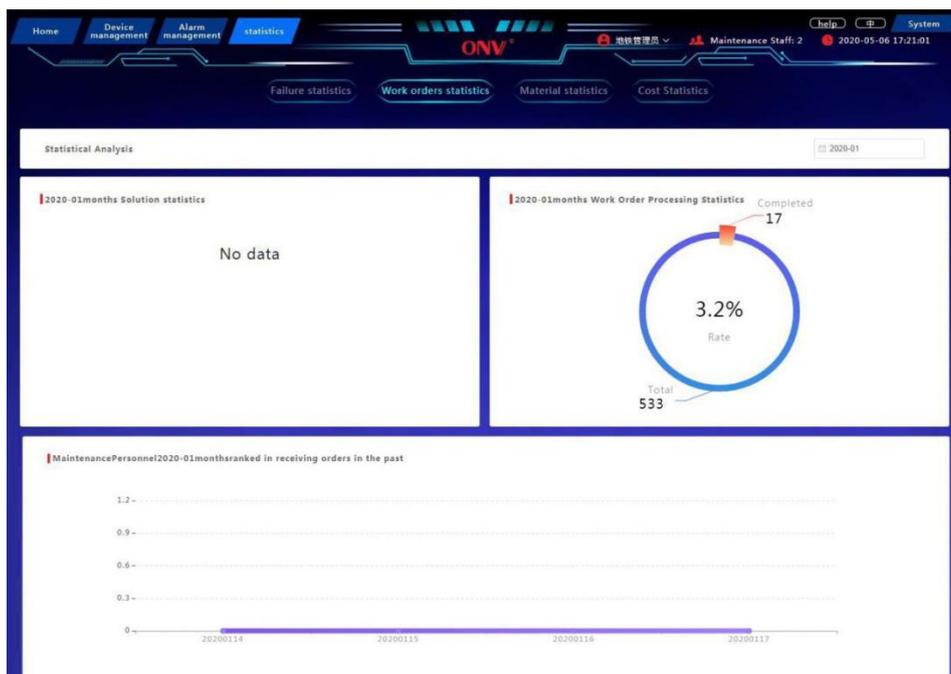
This page is a statistical analysis of all fault information in a month, including two types of fault type statistics and maintenance progress statistics.

Button

Click the filter box to select the statistical time

Statistics-Work Order Statistics Page

Functions



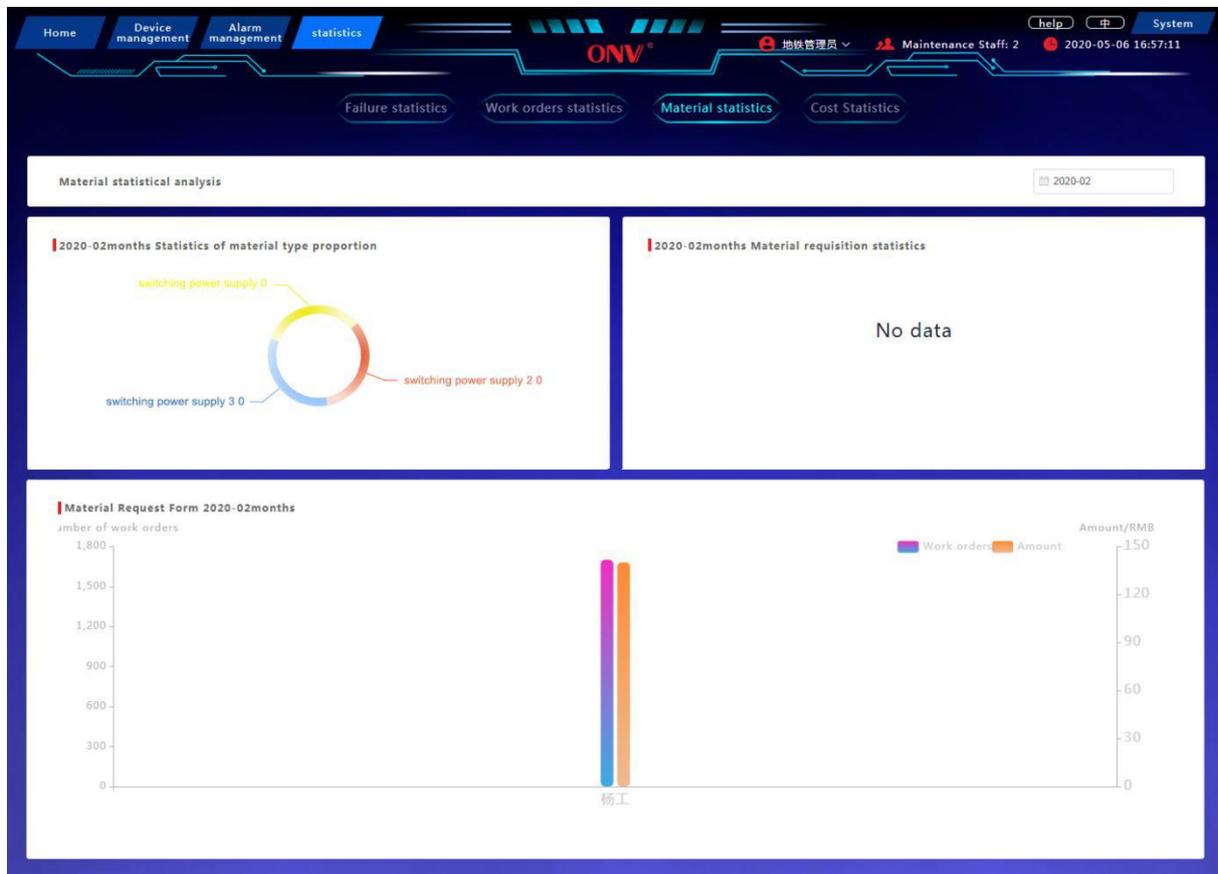
This page is a statistical analysis of all work order information in a month, including statistics on alarm type proportions, work order processing progress statistics, and maintenance personnel's order ranking within a month.

Button

Click the filter box to select the statistical time

Statistics-Material Statistics Page

Functions



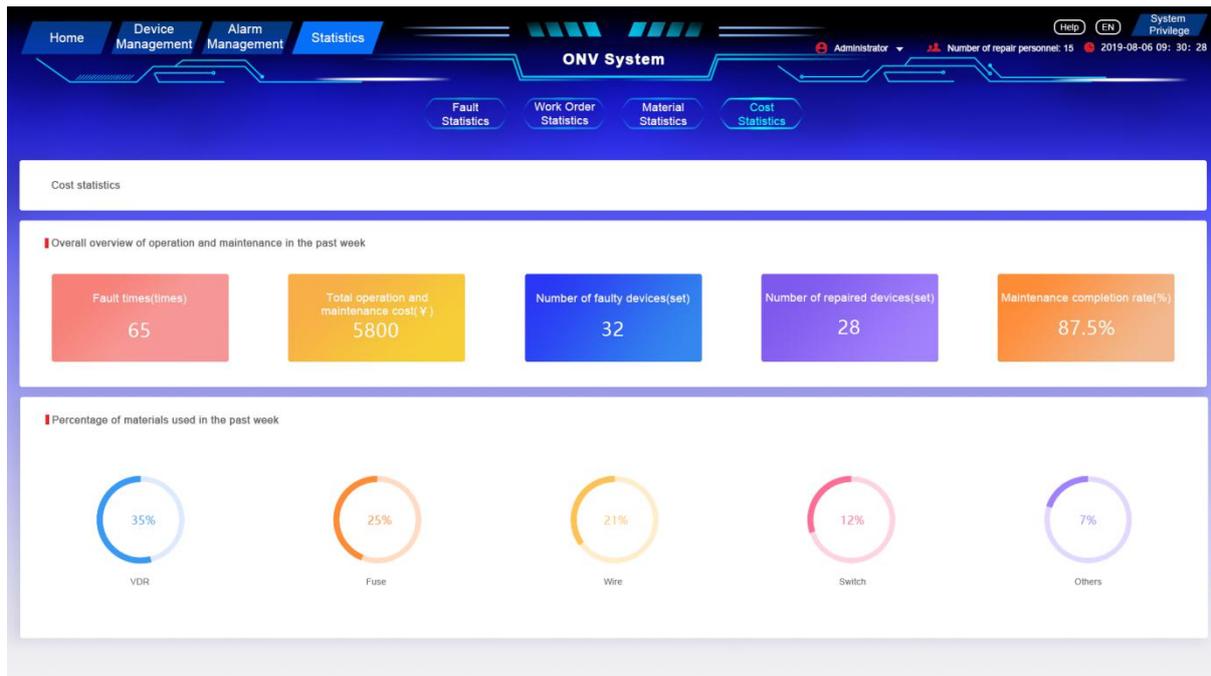
This page is a statistical analysis of all material information in a month, including material type proportion statistics, recent material collection statistics, and maintenance personnel material application form statistics.

Button

Click the filter box to select the statistical time

Statistics-Cost Statistics Page

Functions



This page is a statistical analysis of the operation and maintenance situation in the past week, including the overall overview of the operation and maintenance in the past week, and the material usage ratio in the past week.

System Permissions Page

Functions

The screenshot shows the ONV system management interface. The top navigation bar includes 'Home', 'Device management', 'Alarm management', and 'statistics'. The main content area is titled 'Maintenance personnel list' and contains a table with the following data:

ID	nickname	Phone	WeChat	User role	Mailbox	Update time	Operating
2	SZM0011	15999691105	15999691105		15999691105	2020-03-19 09:40:23	edit Logout account
5	杨工	15999691105	15999691105			2020-01-08 15:09:30	edit Logout account
8	地铁管理员	15999691105	15999691105		15999691105	2020-02-26 10:02:20	edit Logout account
11	ditie	13786592545				2020-03-19 09:54:04	edit Logout account

This page is to set the operation authority of the system user, edit the operator information, and related backup management. contain:

User information, role management, permission management, backup management, and maintenance personnel list

Button

User Info

Click "Add user" to open the Add User pop-up box, edit user information, and complete user addition

Click "Edit" in the list to open the user information pop-up box to edit and modify the corresponding user information

Click "Logout account" in the list to complete account logout

Role management

Click "Add role" to open the add role pop-up box, edit the role information, and complete the role addition

Click "Edit" in the list to open the role information pop-up box, edit and modify the corresponding role and permissions

Click "Delete" in the list to delete the corresponding role

Permission management

Click "Add permission" to open the add permission pop-up box, edit the permission information, and complete the permission addition

Click "Edit" in the list to open the permission information pop-up box to edit and modify the corresponding permission

Click "Delete" in the list to delete the corresponding permission content

Backup management

Click "Backup now" to back up related content

Maintenance personnel list

Click "Add maintenance personnel" to open the add maintenance personnel pop-up box, edit the corresponding information, and complete the maintenance personnel addition

Click "Edit" in the list to open the maintenance personnel information pop-up box to edit and modify the corresponding maintenance personnel information

Click "Delete" in the list to delete the corresponding maintenance personnel

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