Acrel

CLOUD PLATFORM FOR POWER IOT

Acrel IOT Energy Management System is a comprehensive system including the functions like real-time electricity parameters monitoring,in-time fault alarm processing and remote control of IoT devices which could support all the Acrel products connected with it.

Internet of Things
IoT EMS Platform

Flexible in Deployment

Automatic Networking

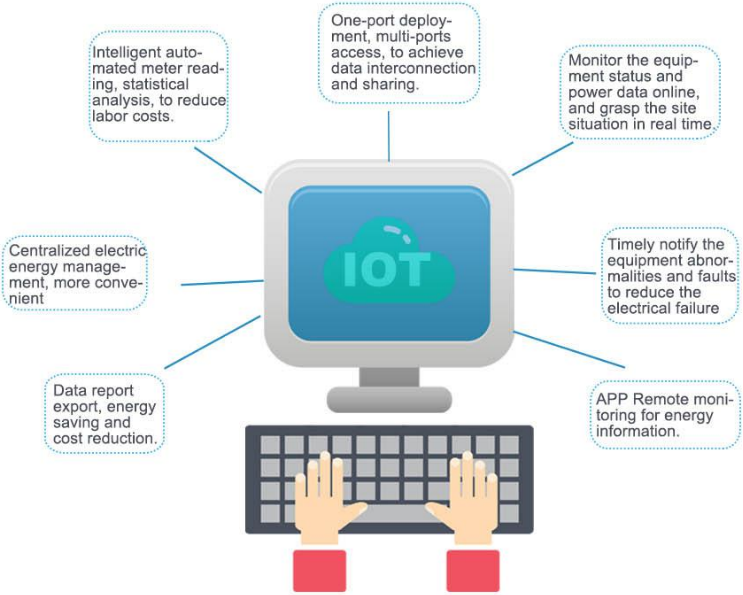
Data Stabilization

Alarm

Report export

Easy Access

SYSTEM VALUE



Intelligent automated meter reading, statistical analysis, to reduce labor costs.

One-port deployment, multi-ports access, to achieve data interconnection and sharing.

Monitor the equipment status and power data online, and grasp the site situation in real time.

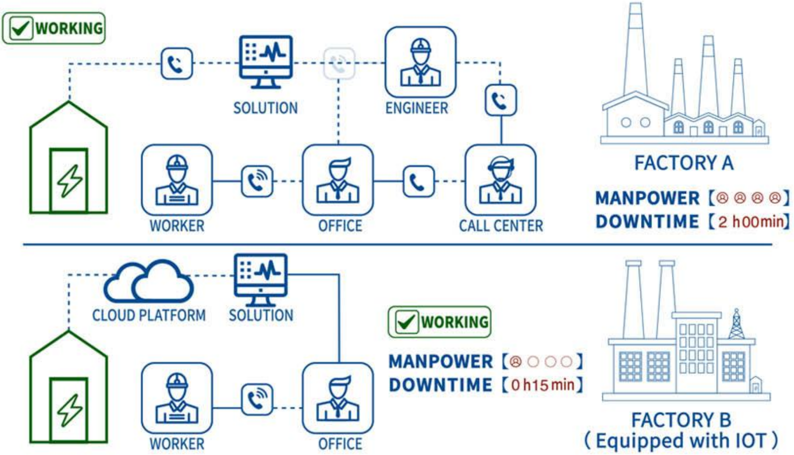
Centralized electric energy management, more convenient

Timely notify the equipment abnormalities and faults to reduce the electrical failure

Data report export, energy saving and cost reduction.

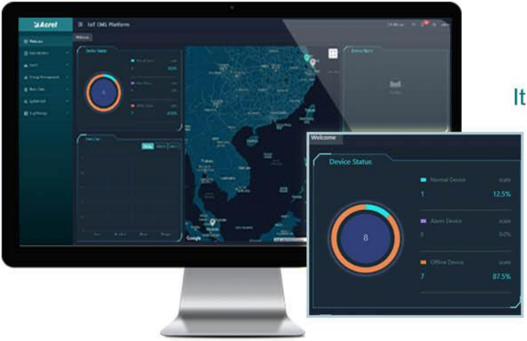
APP Remote monitoring for energy information.

ADVANTAGE


WORKING
SOLUTION
ENGINEER
WORKER
OFFICE
CALL CENTER
FACTORY A
MANPOWER【◉ ◉ ◉ ◉】
DOWNTIME【2 h00min】
CLOUD PLATFORM
SOLUTION
WORKING
MANPOWER【◉ ○ ○ ○】
DOWNTIME【0 h15 min】
WORKER
OFFICE
FACTORY B
(Equipped with IOT)

WEB INTERFACE PRESENTATION

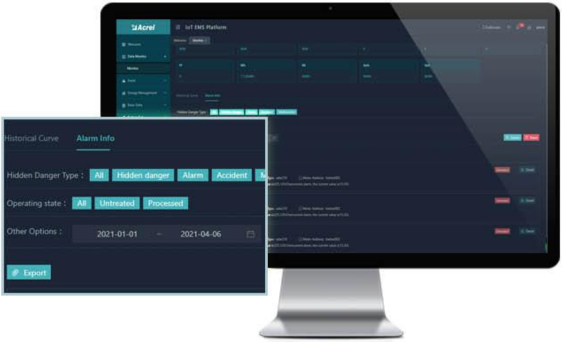
▶ HOME


Acrel
IoT EMS Platform
Welcome
Device Status
8
Normal Device
scale
1
12.5%
Alarm Device
scale
0
0.0%
Offline Device
scale
7
87.5%

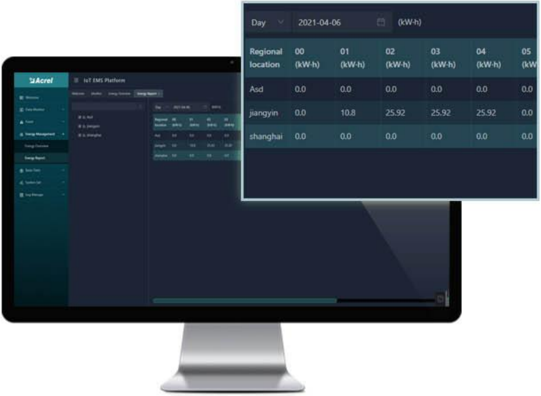
It can provide device status, event list, device alarm information and energy statistics.

DATA MONITOR

The data monitor includes real-time data, history curve, and alarm info.


Acrel
IoT EMS Platform
Historical Curve
Alarm Info
Hidden Danger Type :
All
Hidden danger
Alarm
Accident
Operating state :
All
Untreated
Processed
Other Options :
2021-01-01
~
2021-04-06
Export

ENERGY MANAGEMENT


Acrel
IoT EMS Platform

Day | 2021-04-06 | (kW·h)

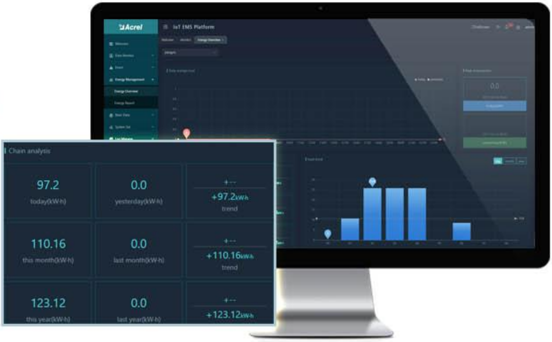
Regional location	00 (kW·h)	01 (kW·h)	02 (kW·h)	03 (kW·h)	04 (kW·h)	05 (kW
Asd	0.0	0.0	0.0	0.0	0.0	0.0
jiangyin	0.0	10.8	25.92	25.92	25.92	0.0
shanghai	0.0	0.0	0.0	0.0	0.0	0.0

•Energy Overview

it can view the electricity consumption of today, this month, this year, and can display the corresponding same-month-on-month information, you can also view the peak electricity consumption of today and yesterday.

•Energy Report

Users and administrators can view the energy report of one or more devices.The dimensions of the report are day, week, month,quarter and year. And you can export the energy report.

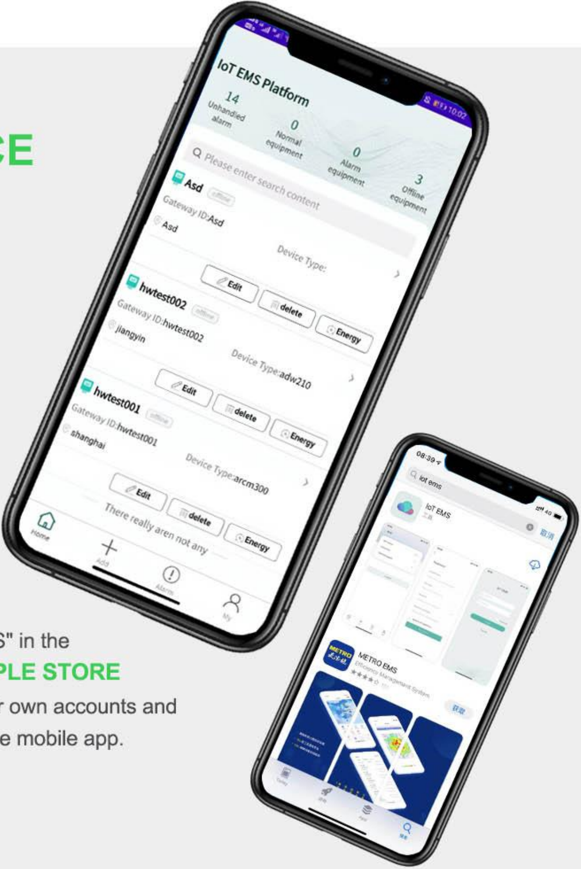

Acrel
IoT EMS Platform

Chain analysis

97.2 today(kW·h)	0.0 yesterday(kW·h)	+-- +97.2kW·h trend
110.16 this month(kW·h)	0.0 last month(kW·h)	+-- +110.16kW·h trend
123.12 this year(kW·h)	0.0 last year(kW·h)	+-- +123.12kW·h

APP INTERFACE

Demo Account
User Name:Acrel
Password:123456



IoT EMS Platform

14 Unhandled alarm
0 Normal equipment
0 Alarm equipment
3 Offline equipment

Please enter search content

Asd offline
Gateway ID:Asd
Asd
Device Type:

hwtest002 offline
Gateway ID:hwtest002
jiangyin
Device Type:adw210

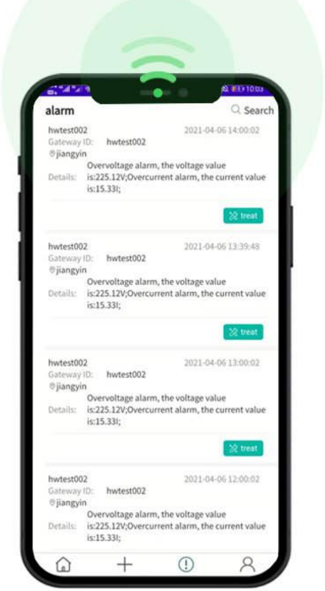
hwtest001 offline
Gateway ID:hwtest001
shanghai
Device Type:arcm300

There really aren not any

Edit
delete
Energy
Home
Add
Alarm
My
08:39
iot ems
IoT EMS
取消
METRO EMS
Efficiency Management System
获取

Searching for "IoT EMS" in the
GOOGLE PLAY/APPLE STORE
Users can register their own accounts and add devices through the mobile app.

FREE OF DEBUGGING!!



alarm
Search

hwtest002 2021-04-06 14:00:02
Gateway ID: hwtest002
jiangyin
Details: Overvoltage alarm, the voltage value is:225.12V;Overcurrent alarm, the current value is:15.33I;

treat

hwtest002 2021-04-06 13:39:48
Gateway ID: hwtest002
jiangyin
Details: Overvoltage alarm, the voltage value is:225.12V;Overcurrent alarm, the current value is:15.33I;

treat

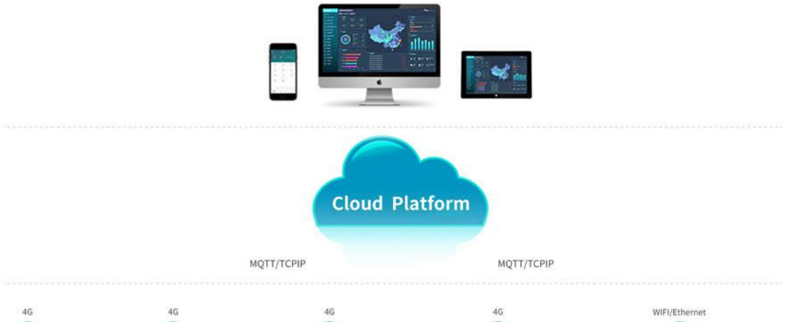
hwtest002 2021-04-06 13:00:02
Gateway ID: hwtest002
jiangyin
Details: Overvoltage alarm, the voltage value is:225.12V;Overcurrent alarm, the current value is:15.33I;

hwtest002 2021-04-06 12:00:02
Gateway ID: hwtest002
jiangyin
Details: Overvoltage alarm, the voltage value is:225.12V;Overcurrent alarm, the current value is:15.33I;

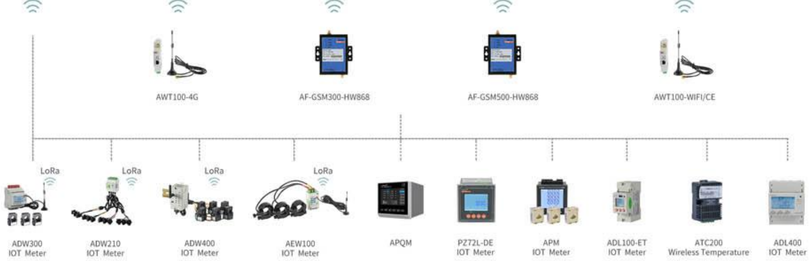
JUST FOUR STEPS

1. - METER + GATEWAY / WIRELESS METER INSTALLATION & POWERED ON-
2. - DOWNLOAD THE APP & REGISTRATION-
3. - SCAN THE QR CODE FROM GATEWAY OR METER-
4. - WEB/APP DATA VIEW-

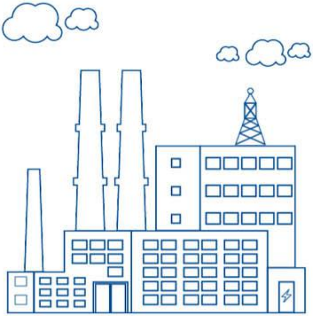
NETWORK TOPOLOGY GRAPH



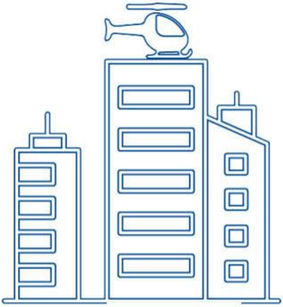
Cloud Platform
MQTT/TCPIP
MQTT/TCPIP
4G
4G
4G
4G
WIFI/Ethernet


AWT100-4G
AF-GSM300-HW868
AF-GSM500-HW868
AWT100-WIFI/CE
LoRa
LoRa
LoRa
LoRa
ADW300
IOT Meter
ADW210
IOT Meter
ADW400
IOT Meter
AEW100
IOT Meter
APQM
PZ72L-DE
IOT Meter
APM
IOT Meter
ADL100-ET
IOT Meter
ATC200
Wireless Temperature
ADL400
IOT Meter

APPLICATION



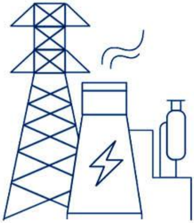
Industrial Energy Consumption



Building

Intelligent LIghthouse

Telecommunication Base Station



Substation

Operation and Maintenance of Power

PRODUCT SELECTION

Acrel
RUN
LoRa
COMM

AWT100-4GHW Smart Gateway

/ lorawan868/ lorawan923/ lora868
- Downlink: RS485
- Uplink: 4G, WiFi or Ethernet

ADW210 IOT Meter

- Measurement: 4 circuits 3 phase voltage, current, power, power factor, etc.
- Max demand
- Communication: RS485 or LoRa

ADW300 IOT Meter

- Measurement: 3 Phase voltage, current, power, power factor, etc.
- Accuracy: 1
- Max demand
- Communication: RS485, LoRa, 4G, NB or 2G

ADL200 IOT Meter

- Accuracy: kWh: Class 0.5s
- Frequency: 45~65 Hz
- 12 digits LCD display U, I, P, Q, PF, kWh
- Range of measuring: 000000.00~99999999 kWh
- Communication:RS485, Modbus-RTU

ADL400 IOT Meter

- Accuracy: kWh: Class 0.5s
- Frequency: 45~65 Hz
- 12 digits LCD display U, I, P, Q, PF, kWh
- Range of measuring:
  000000.00~99999999 kWh
- Communication:RS485, Modbus-RTU

AGF Monitoring Device

- With3-way switch status monitoring,collect the output empty contact status of DC circuit breakers, lightning protection devices, etc.
- Range of voltage measuring:
  DC 0～1500V
- Communication:RS485,Modbus-RTU

ATC600 Wireless Transceiver

- Temperature Data Transmission: 240
- Communication:RS485
- Type: C: Terminal mode; Z: Relay mode

DJSF1352 DC Power Meter

- Accuracy: kWh: Class 1S or 0.5s, with ±12V voltage output for hall sensor power supply
- Measurement: voltage, current, power, forward and reverse electric energy, wo-way metering
- Communication: RS485

Acrel
0000
RUN

ABOUT ACREL

Acrel Co., Ltd. [Stock Code : 300286. SZ] is a high-tech enterprise concentrating on research, production, sales and services. It mainly provides systemic solutions of energy efficiency management and electrical safety for users. Acrel is equipped with the complete production lines from cloud platform software to sensors. Until now, it has more than 8000 sets systemic solutions used in China to help users to realize energy visual management ,supply energy data services and improve electrical efficiency and safety and it provides more high-quality solutions,products and service

WORKSHOP