

The background features a dark blue field with numerous small, glowing white particles. On the left side, there are several overlapping, glowing blue lines that form a circular, network-like pattern, suggesting connectivity or data flow.

# IOT EMS SOLUTION

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# CATALOG



01 OVERVIEW

04 STRUCTURE

02 ADVANTAGE

05 MAIN FUNCTION

03 APPLICATION

06 PRODUCT SELECTION

The background features a complex network of glowing blue lines and dots, resembling a data network or neural network, set against a dark blue gradient. A prominent white wavy line curves across the lower half of the image. The text '01 OVERVIEW' is centered in the upper half.

# 01 OVERVIEW

# OVERVIEW

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.

Due to a complete devices' factory setting plan, our users could utilize the functions above once they got their IoT devices like energy meters power on without any additional adjustment through our Acrel website IoT platform and IoT APP designed for mobile phone.



The background features a dark blue gradient with a complex network of glowing blue lines and dots, resembling a data network or neural network. A prominent white wavy line curves across the upper portion of the image. The text '02' is rendered in a large, white, sans-serif font, positioned centrally on the right side of the image.

02

ADVANTAGE

# ADVANTAGE

## Centralized monitoring 集中监控

Remote devices upload data 24 hours a day. 远程设备24小时不间断上传数据

1

2

## Alarm 报警

Once an alarm occurs on the device, the alarm data will be uploaded in real time and pushed by the app to relevant person. 设备一旦报警，报警信息实时上传，并用APP推送通知相关人员

3

## Energy Analysis 能耗分析

Get the energy consumption of the devices anytime, anywhere.  
可以随时随地知道设备的能耗情况

4

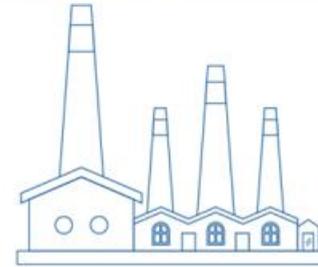
## Self-registration

### 自主注册

Users can register their own accounts and add devices through the mobile app. 通过手机APP用户可以自主注册账号和添加设备

# ADVANTAGE

✓ WORKING



FACTORY A

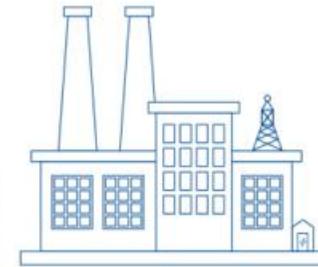
MANPOWER [ @ @ @ @ ]  
DOWNTIME [ 2 h00min ]

CLOUD PLATFORM SOLUTION



✓ WORKING

MANPOWER [ @ ○ ○ ○ ]  
DOWNTIME [ 0 h15min ]



FACTORY B  
( Equipped with IOT )

The background features a complex network of white lines and dots on a dark blue gradient. The lines form a web-like structure that is denser on the left and fades towards the right. A prominent white curved line starts from the left side and sweeps across the bottom of the frame. The overall aesthetic is modern and technological.

# 03

APPLICATION

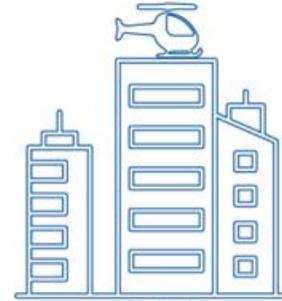
# APPLICATION



Industrial Energy Consumption



Substation



Building



Intelligent Lighthouse



Operation and Maintenance of Power



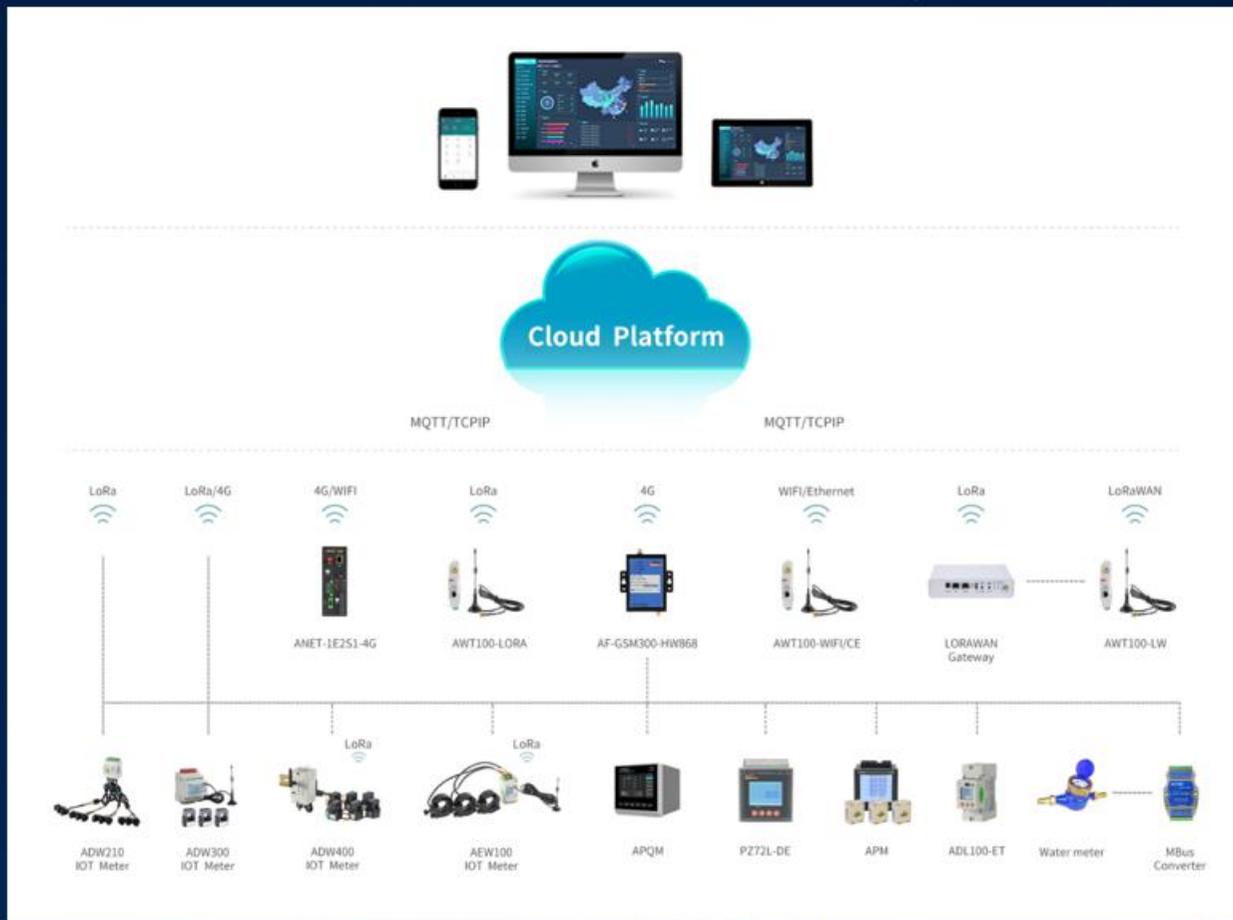
Telecommunication Base Station

The background features a complex network of white and light blue lines and dots, resembling a data network or molecular structure, set against a dark blue gradient. A prominent white wavy line curves across the upper portion of the image. The number '04' is rendered in a large, clean, white sans-serif font, positioned centrally in the lower half of the frame.

04

STRUCTURE

# STRUCTURE



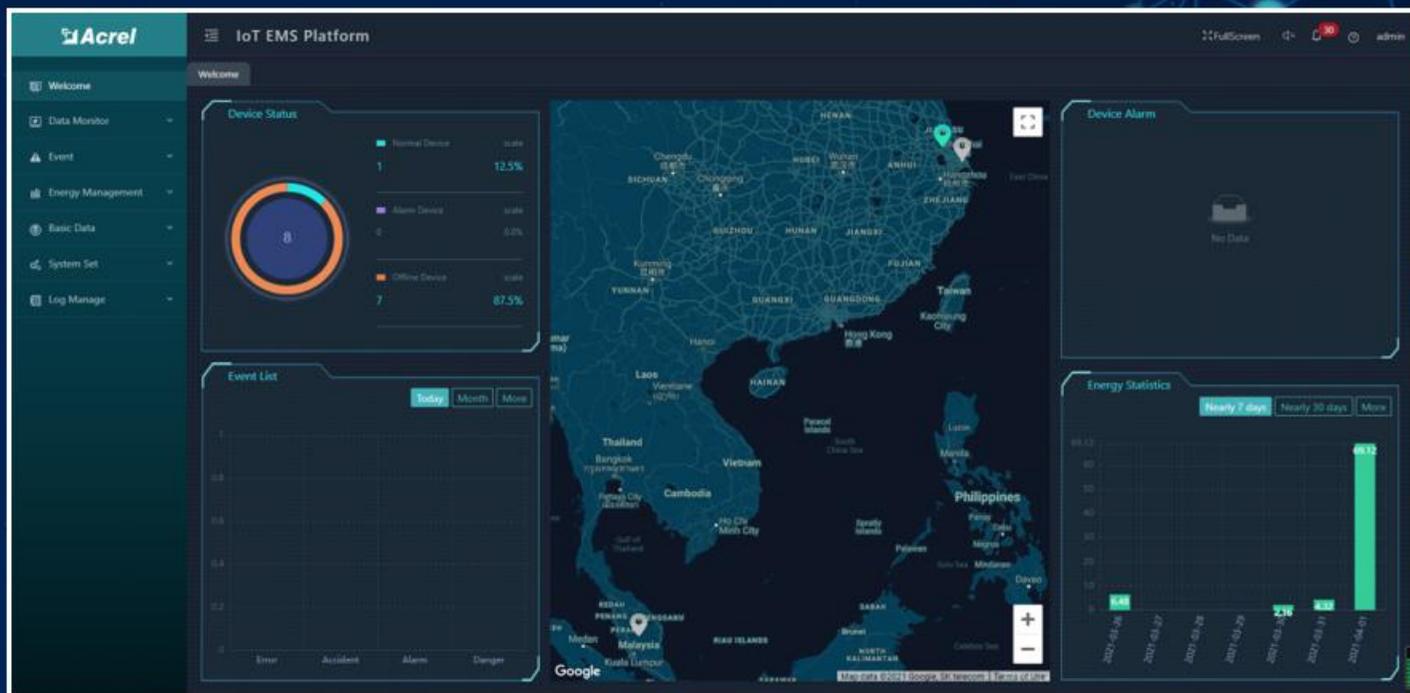
The background features a dark blue gradient with a complex network of glowing blue lines and dots, resembling a data network or neural network. A prominent white wavy line curves across the lower half of the image. The text '05 MAIN FUNCTION' is displayed in a clean, white, sans-serif font in the upper right quadrant.

# 05 MAIN FUNCTION

# MAIN FUNCTION——PC

## HOME (首页)

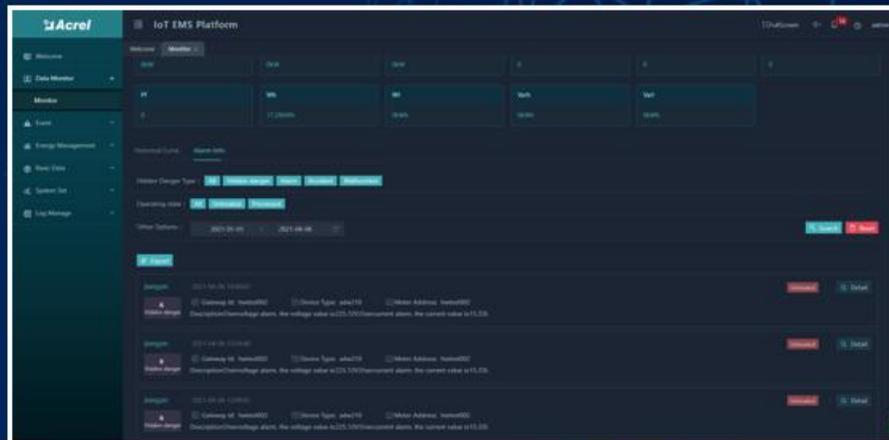
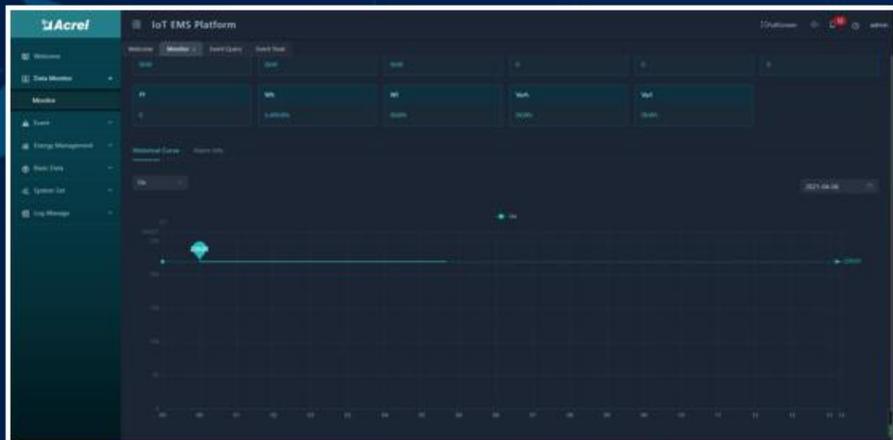
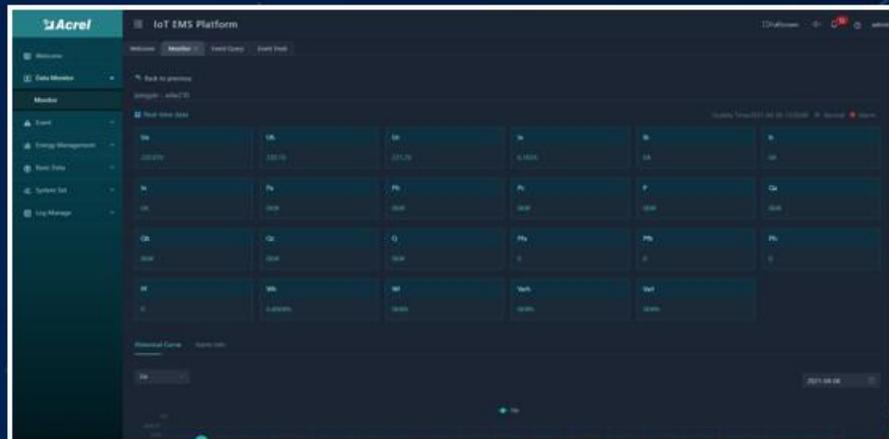
It can provide device status, event list, device alarm information and energy statistics.



# MAIN FUNCTION—PC

## Data Monitor

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



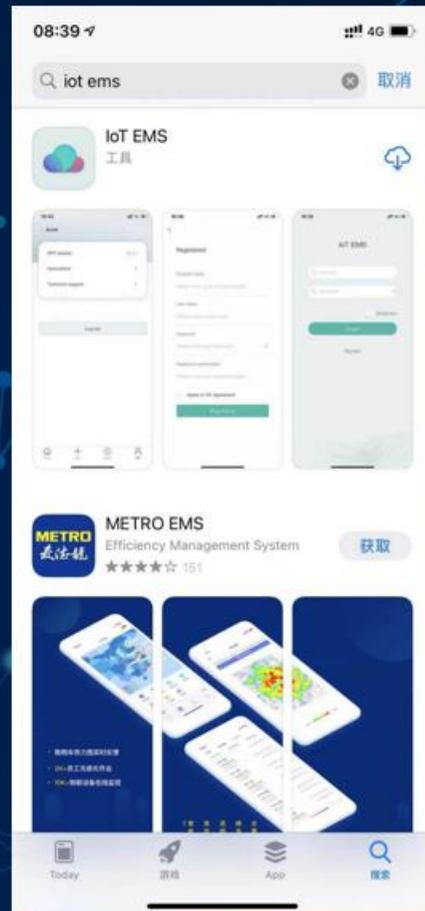
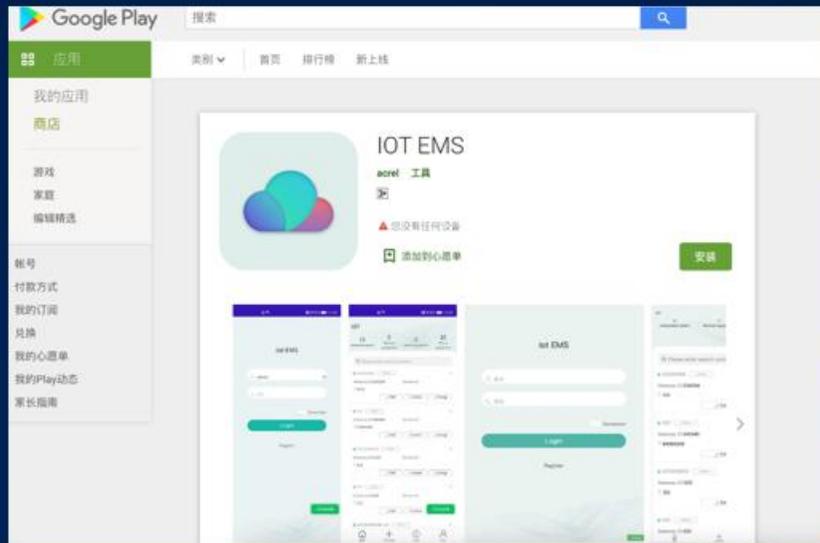


# MAIN FUNCTION——APP

Demo Account

User Name:Acrel

Password:123456



# MAIN FUNCTION—APP

IoT EMS Platform

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

Please enter search content

Asd offline

Gateway ID:Asd   Device Type:

Asd

Edit delete Energy

hwtest002 offline

Gateway ID:hwtest002   Device Type:adw210

jiangyin

Edit delete Energy

hwtest001 offline

Gateway ID:hwtest001   Device Type:arcm300

shanghai

Edit delete Energy

There really aren't any

Home Add Alarm My

monitoring refresh

hwtest002-jiangyin

Device State: offline   2021-04-06 14:15:00

Ua	Ub	Uc
220.01	220.1	221.2
la	lb	lc
6.183	0	0
In	Pa	Pb
0	0	0
Pc	P	Qa
0	0	0
Qb	Qc	Q
0	0	0
Pfa	Pfb	Pfc
0	0	0
Pf	Wh	Wl
0	17.28	0
Varh	Varl	
0	0	

Ua ~   2021-04-07 ~

Energy

hwtest002-jiangyin

daily ~   2021-04-02 ~

time	energy(kWh)
00	0.0
01	0.0
02	0.0
03	0.0
04	0.0
05	0.0
06	0.0
07	0.0
08	10.8
09	0.0
10	0.0
11	0.0
12	0.0
13	0.0
14	0.0
15	0.0
16	0.0
17	4.32
18	0.0
19	0.0

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;

treat

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;

treat

Home Add Alarm My



THANKS