



# Smart Lighting System

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# IOT

IoT is an important component of the new information generation. It stands for "Internet of things". Apparently, it means as it is written.

But it also has another two meanings.

First. IoT is based on the Internet. It is an extension and spread network of the Internet.

Secondly, IoT exchange information and communication when its user extended to the level among the things.

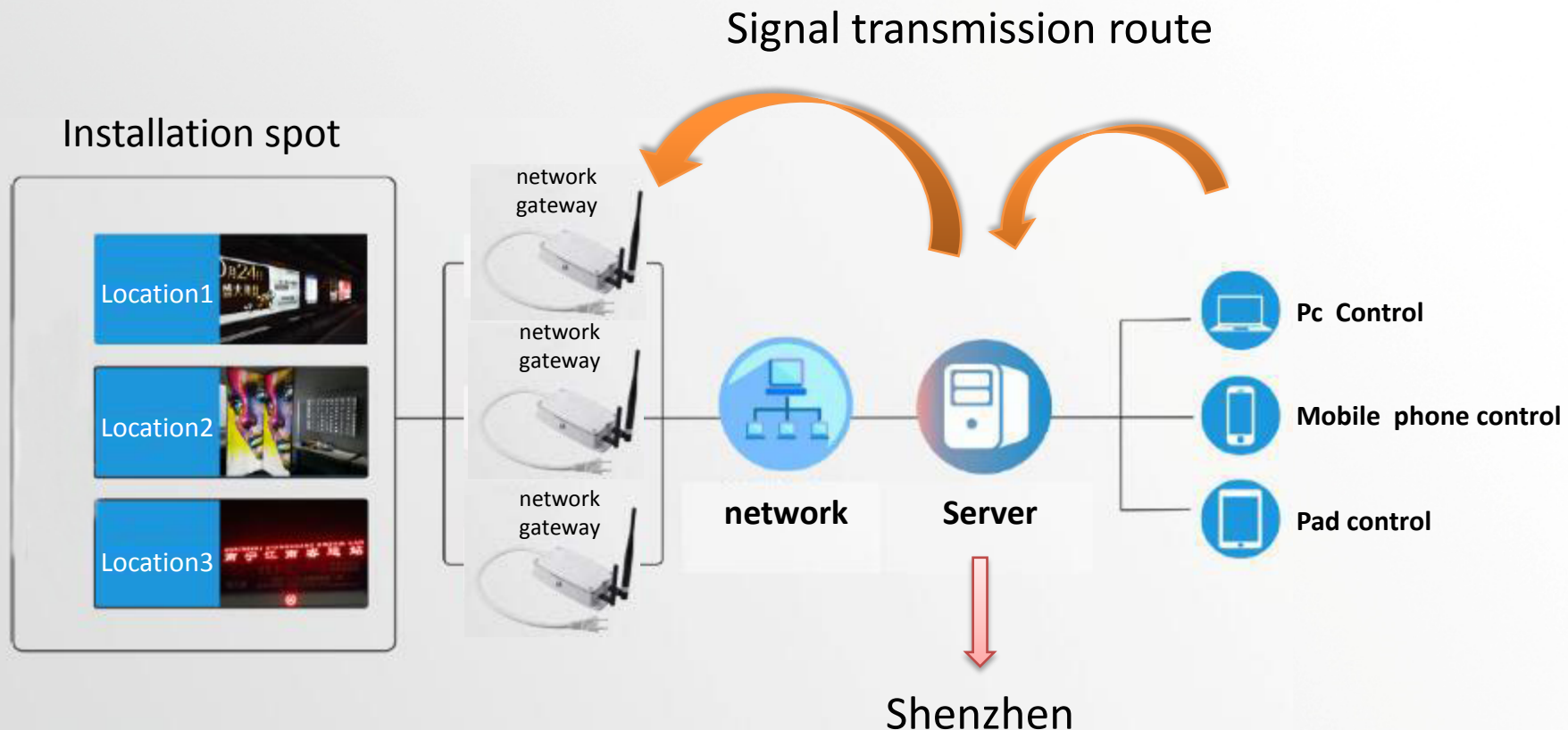
IoT is widely used into Internet communications by smart perception, recognition technology, pervasive computing and etc communication aware technology. It is called the third-wave after the computer and Internet which is the world information industry developing technology is invented.

## Smart Sign Remote Control System Overview

Smart Sign Remote Control System is using IOT, computer technology, information communication technology and geographic information technology to take LED physical parameter such as geographic location, parameters of electricity system, weather environment and so on and save as digital numbers by using which smart remote control system to control and monitor LEDs.

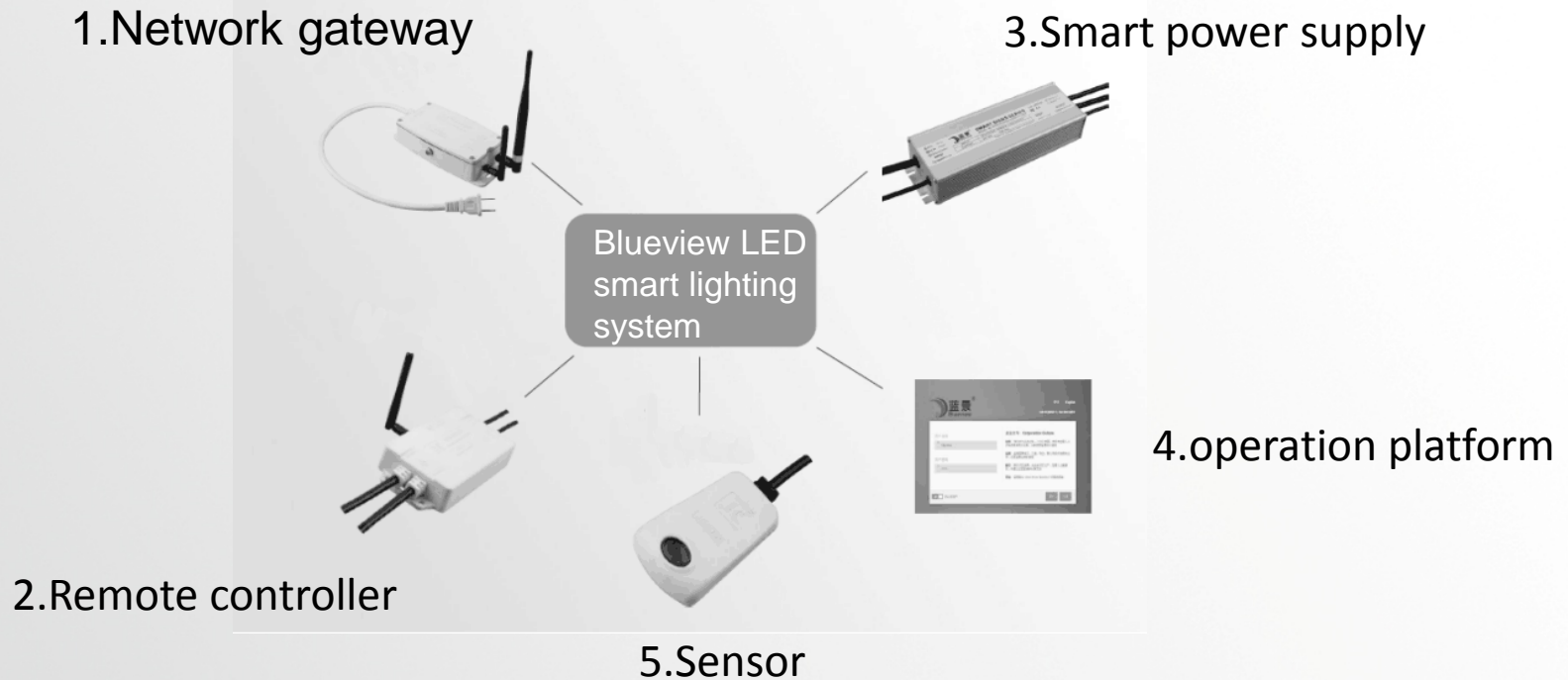
In another word, Smart Sign Remote Control System is LED sign equipment IOT. It breaks the traditional rules. In the past, it separated basic equipments like LED sign equipments with IT basic equipments. One hand is infrastructure like LED sign equipment. And on the other hand is data center like computer, broadband and so on. However, in IOT time, these two are integrated all as infrastructure. In the terms of this, basic sign resource is an absolutely new talking object and also it is a significant component of realizing city modernization.

## Smart Lighting System Schematic Diagram



Remote control no distance limitation

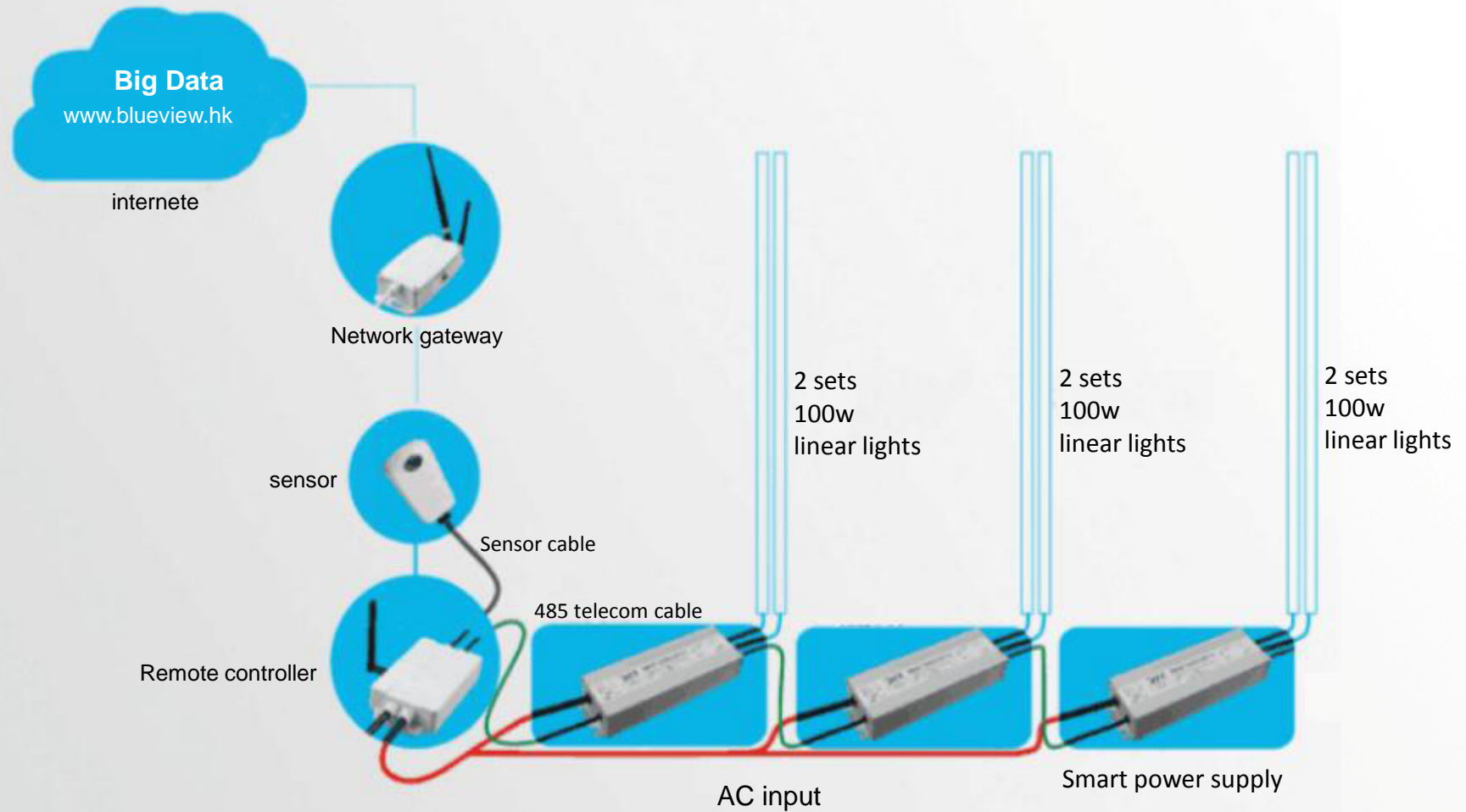
## Smart Lighting System



4 types of hardware equipments + 1 software platform



## Smart Sign Hardware Equipments





## Network Gateway

- 1, Access to the internet as 4G with SIM IOT card.
2. AC 100V-246V input
3. One network gateway can control 100pcs remote controller.
4. Distance could be Max. 100M between network gateway and remote controller.
5. Indicator light flickers when all connection is done correctly.
6. IP67 waterproof index.
7. Paten for invention.



## Remote controller

1. It is the central part of the whole Smart Sign Remote System.
2. Wireless connect with web gateway by zigbee.
3. Cable connect with power supply. Maximum 50 supplies.
4. Integrated ammeter which means the power consumption of the supply can be known.
5. Temperature humidity light sensor are optional.
6. 4 dimming modes.
7. IP67 waterproof Index. Compact size, Easy installation.
8. Patent for invention.



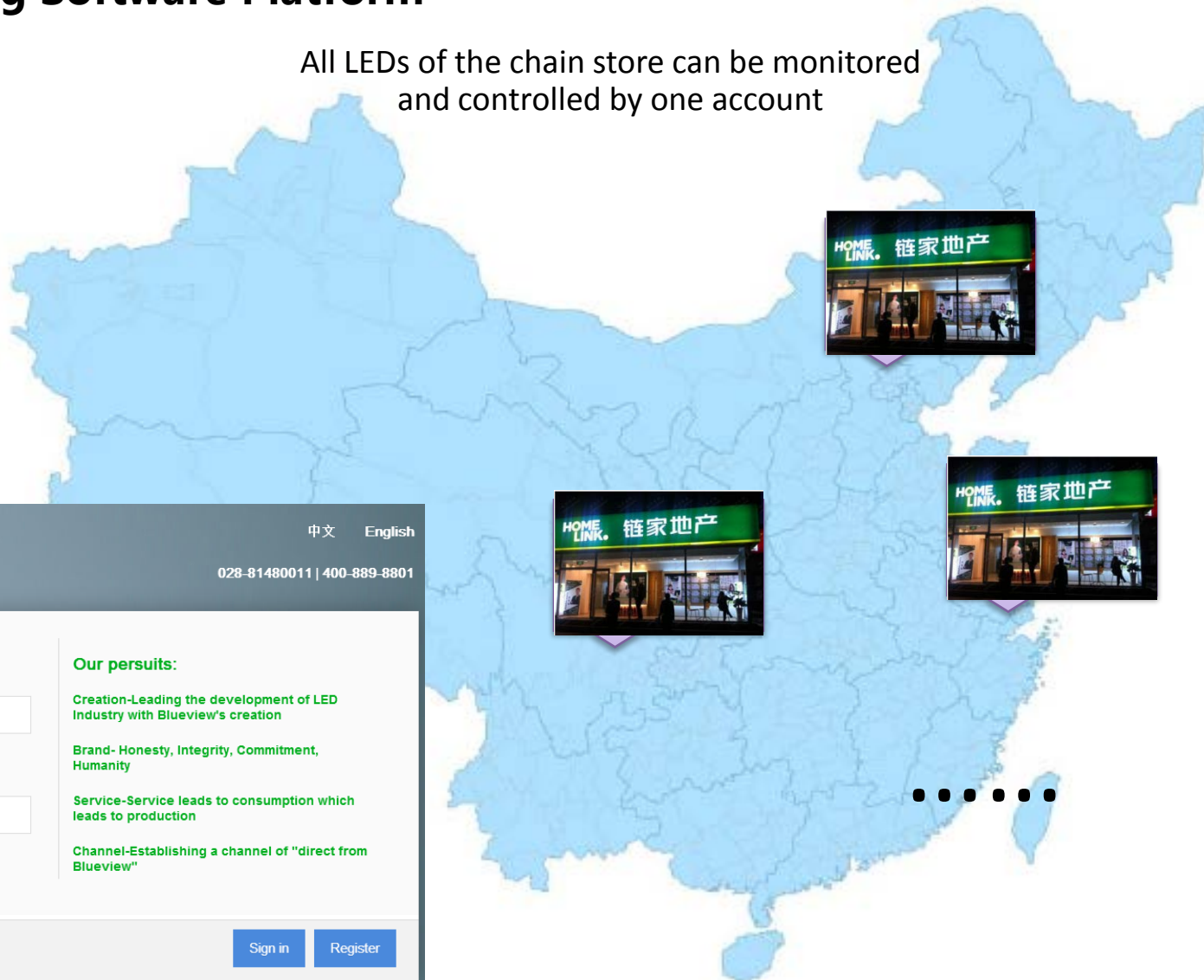



## Power supply

1. Competitable function with the power supply on the market.
- 2, 485 cable connect with supplies doubling. It will not effect any others if one is damaged.
3. Waterproofed and certificated by CE,3C. There are 12V-200W and 24V-200w two types of supplies. And 12V-400W is waterproof.
4. Mark unworking LED by testing LED working enviroment.
5. Patent for invention.

# Smart Lighting Software Platform

All LEDs of the chain store can be monitored  
and controlled by one account



 蓝景®  
Blueview

中文 English

028-81480011 | 400-889-8801

Account

Password

Our pursuits:

Creation-Leading the development of LED Industry with Blueview's creation

Brand- Honesty, Integrity, Commitment, Humanity

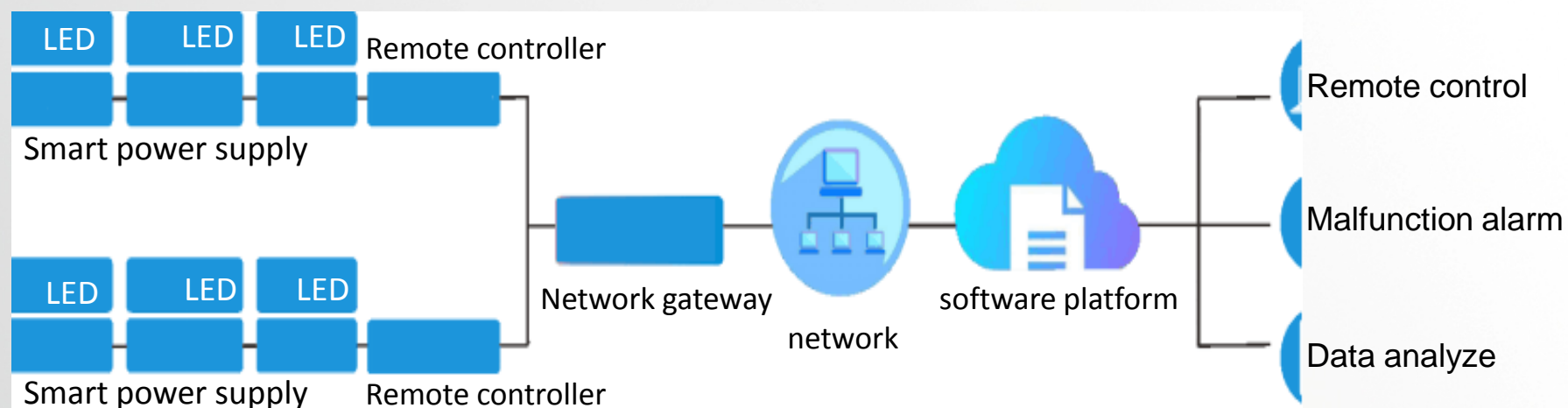
Service-Service leads to consumption which leads to production

Channel-Establishing a channel of "direct from Blueview"

YES ☐ Remember me

Sign in Register

## Smart Sign Software Platform



## Remote Control

1-100 eletrodeless dimming  
remote control



Dimming Plan Timer set

Start time	Brightness
00:00	0
05:00	0
18:00	100
19:00	80
21:00	30

## Feature one: Smart dimming system. Energy saving.

Feature two: Solving light Pollution(Traditional sign product could not realize energy accurate control. And this is costing light pollution and power consumption.)





## Self malfunction inspect

### Common Fault



Some parts are damaged



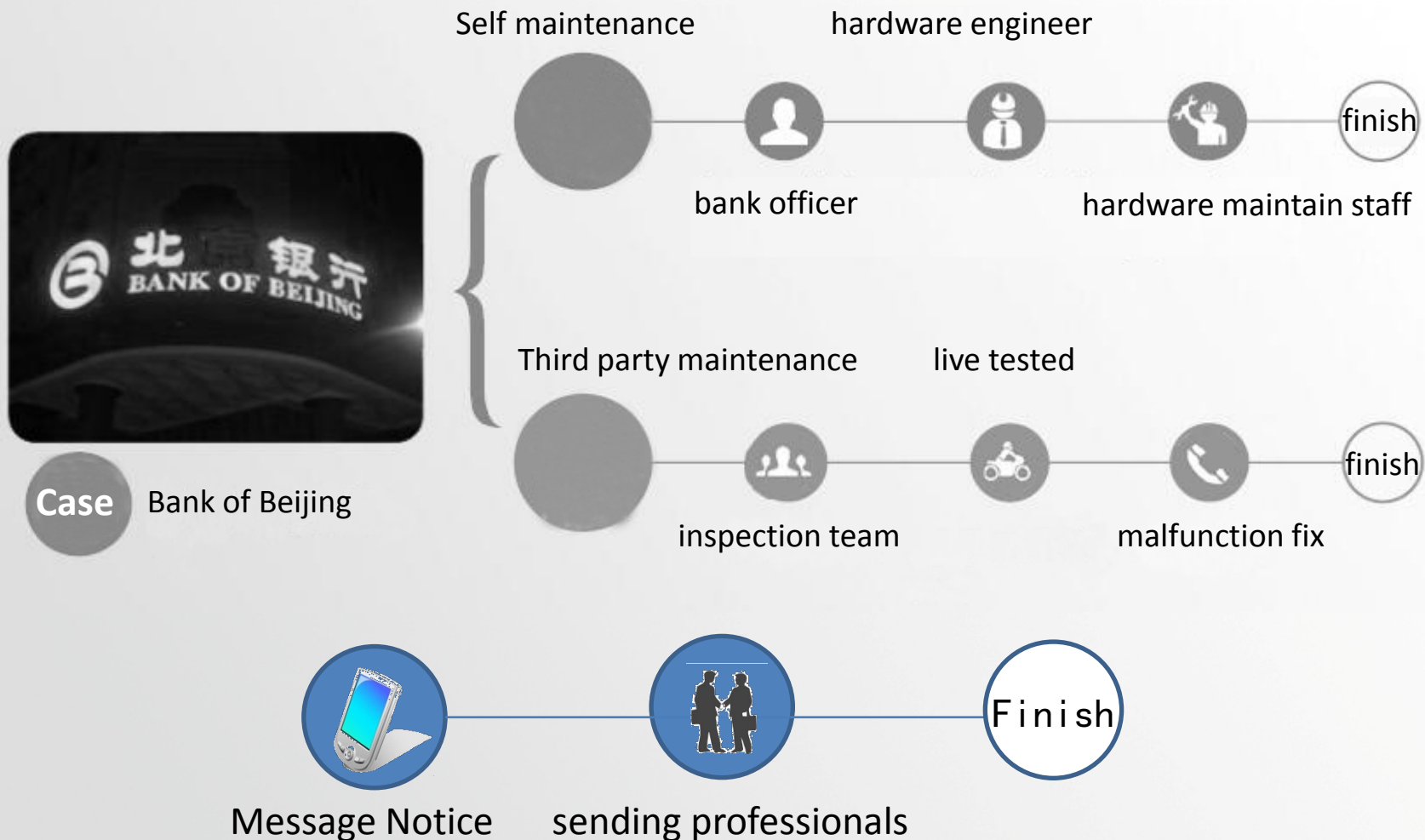
Short circuit caused fire



Power supply fault



Alarm Method: By message or By email

# Traditional Malfunction Inspect Procedure:



## Data Analyze

Shanghai Metro Line 3	Shanghai	2017-05-21	exist	blueview	
Project Leader	blueview	Product Part Number	YL2	Fix time	2
executor	tangjin	LED CCT Wavelength/color	Parameter, NW 5800K	Power supply Q'ty	48
Start time	1475510400000	LED Qty	4800	Note	0
Finish time	1495382400000	Power Supply code	200W waterproof		

Online Status	
Working Status	
Brightless(%)	66
AC Voltage	231.49V
AC Current	2.028A
Power Consumption	300.78W
Ambient Temperature	28.44 °C
Ambient Humidity	59.5%
Ambient Illumination	199lx

**LED working enviroment**

**THE END**

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**THANK YOU**