**RPC-XXX**

# Applications (RPC-XXX)

**CosPan** Remote Power Controller
www.remoteacpower.com

· #305 Mechatronics-dong, GNTP, 65, Jungrigongdan-ro,
MasanHoewon-gu, Changwon, 51234, Korea
· TEL : +82-55-242-1109
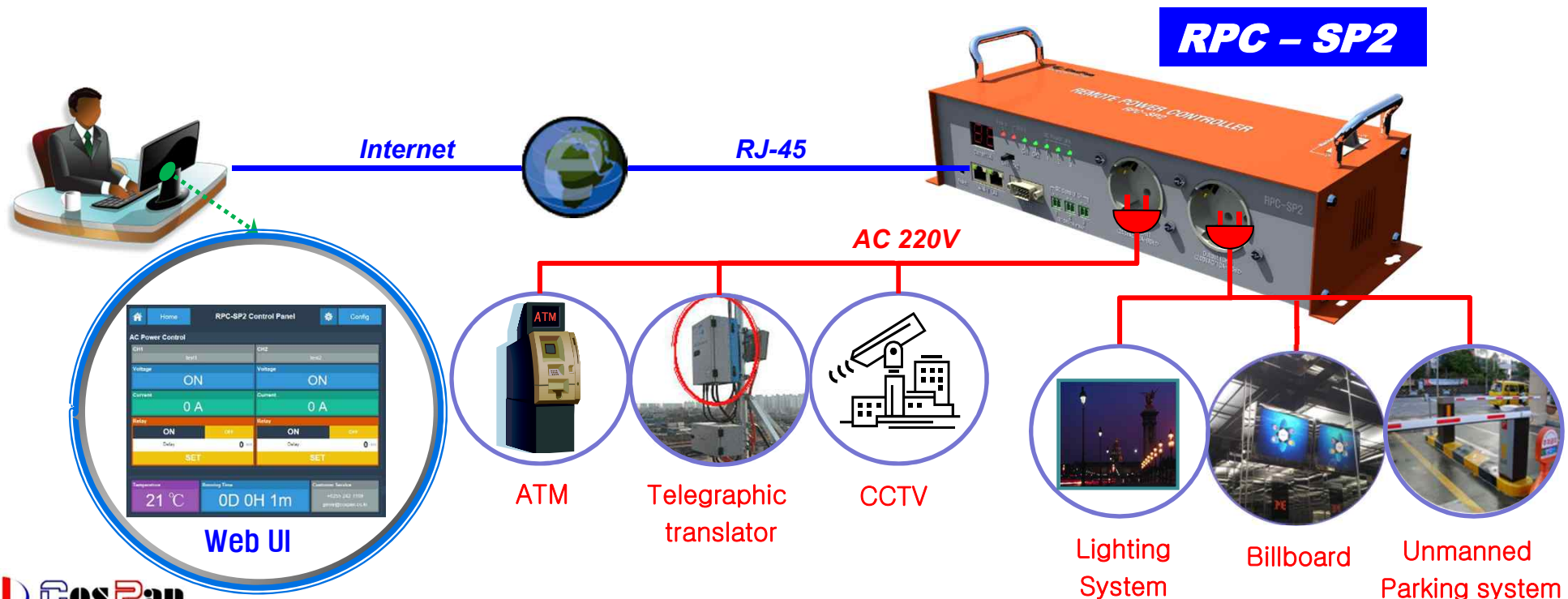· FAX : +82-55-242-1105

**CosPan**

# Real Application cases

**Lighting system Electrical Equip.**

- Remote power control for a Lighting system and an electrical equipment

- Switching ON/OFF an applied electric power into the system and monitoring an operation condition remotely
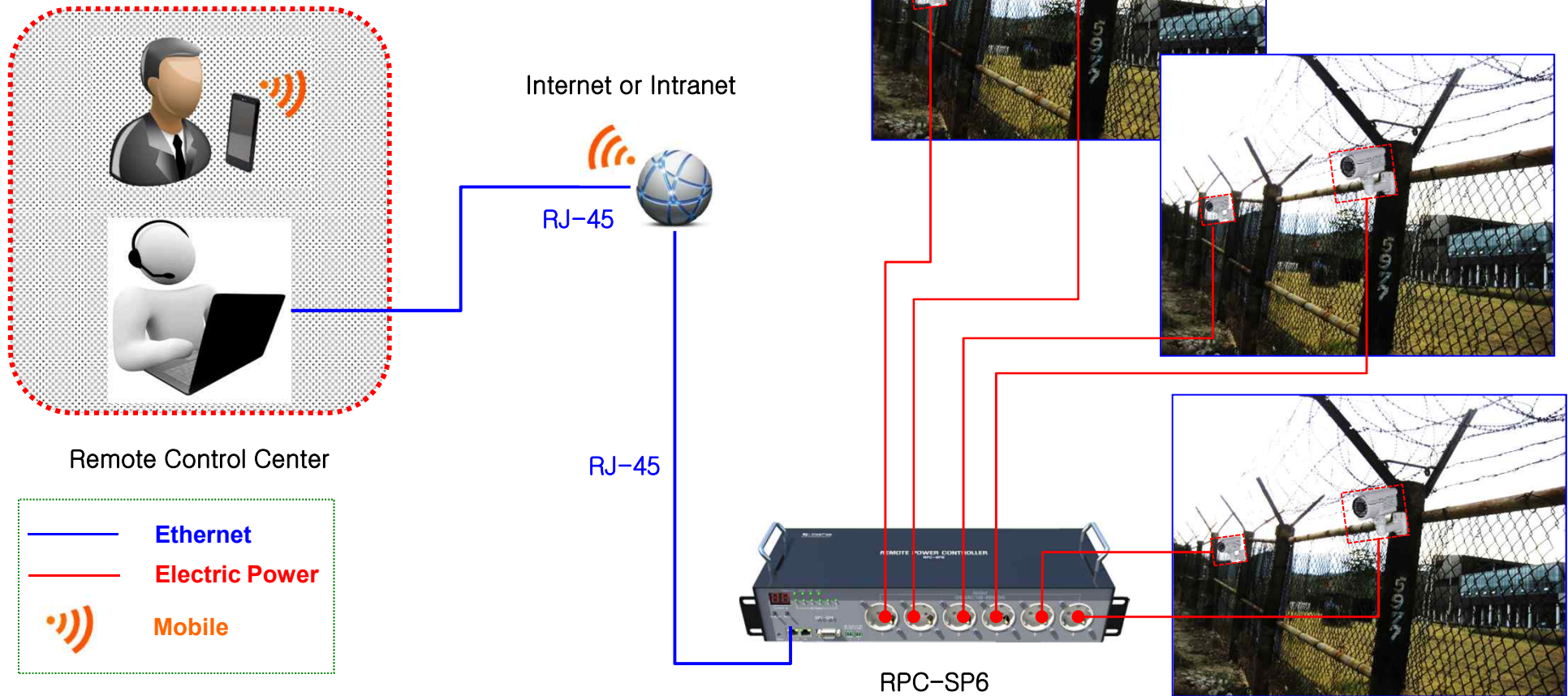
**CCTV NMS**

- Remote power control for an ATM, a telegraphic translator, a CCTV, an outdoor billboard, and an unmanned parking system.

- Hard-Reset for rebooting the systems remotely without visiting and manual operation

**RPC – SP2**

*Internet*    *RJ-45*

*AC 220V*

**Web UI**

ATM

Telegraphic translator

CCTV

Lighting System

Billboard

Unmanned Parking system
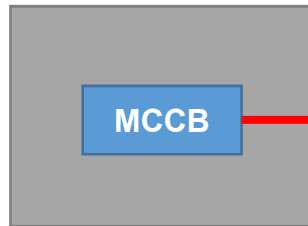
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# Control Power for CCTV remotely

※ **Control electric power for CCTV operation**

- **shut down for lighting protection in bad weather**
- **Hard reset for initial countermeasure of hang up problem**
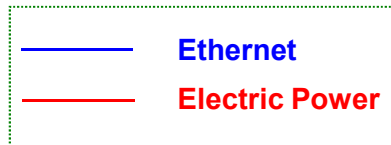- **military unit, security facilities**

Internet or Intranet

RJ-45

RJ-45

Remote Control Center

—— **Ethernet**

—— **Electric Power**

•)) **Mobile**

RPC-SP6

CosPan

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# Control electric power of network devices for CCTV
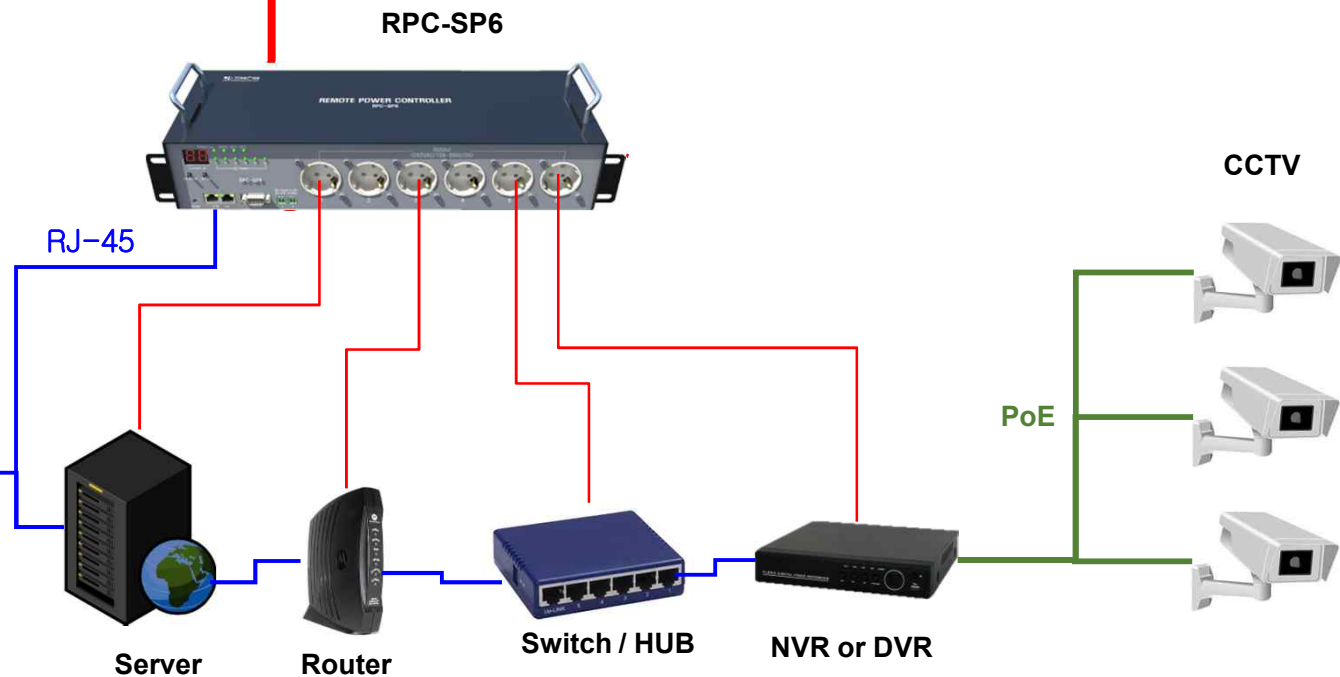
**Electric Distribution Panel**

MCCB

AC 220V

※ **Control electric power for Network devices**

- **Hard reset for initial countermeasure of hang up problem**

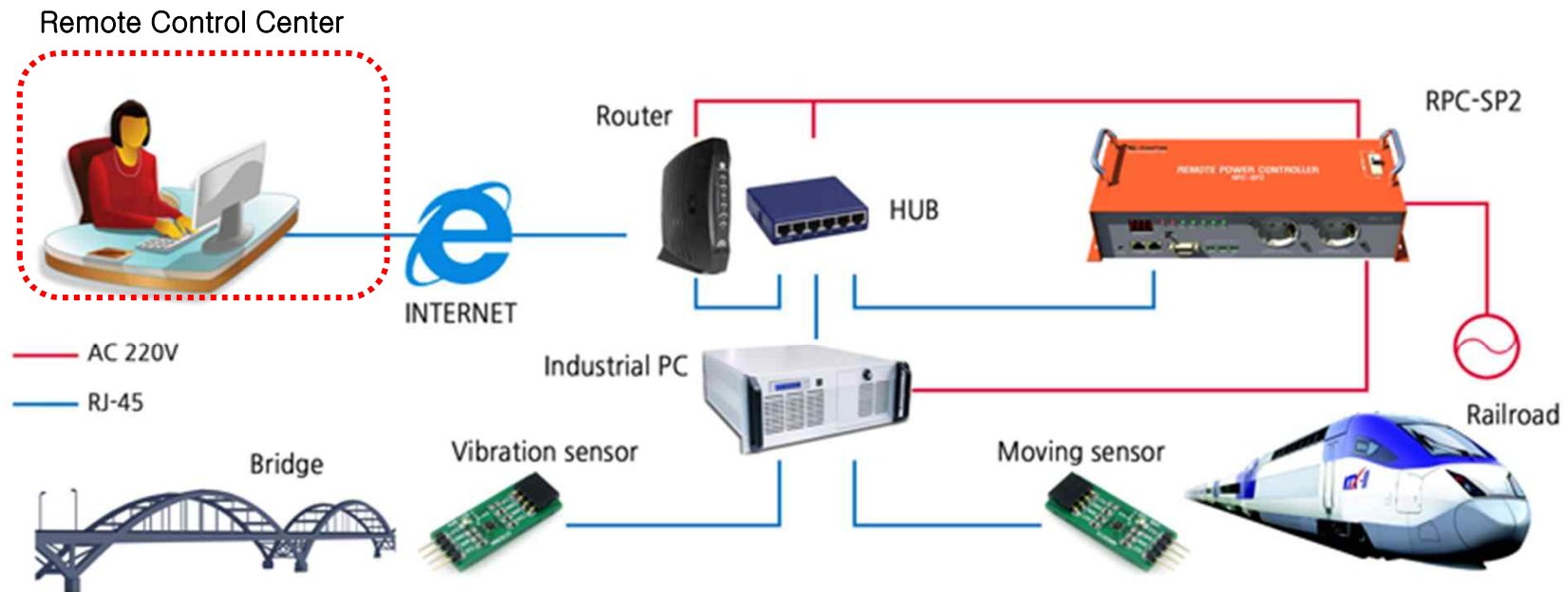- **Server, Router, Switch/Hub, NVR or DVR for Ethernet communication**

RPC-SP6

**Ethernet**

**Electric Power**

RJ-45

CCTV

PoE

Remote Control Center

Server      Router      Switch / HUB      NVR or DVR

CosPan

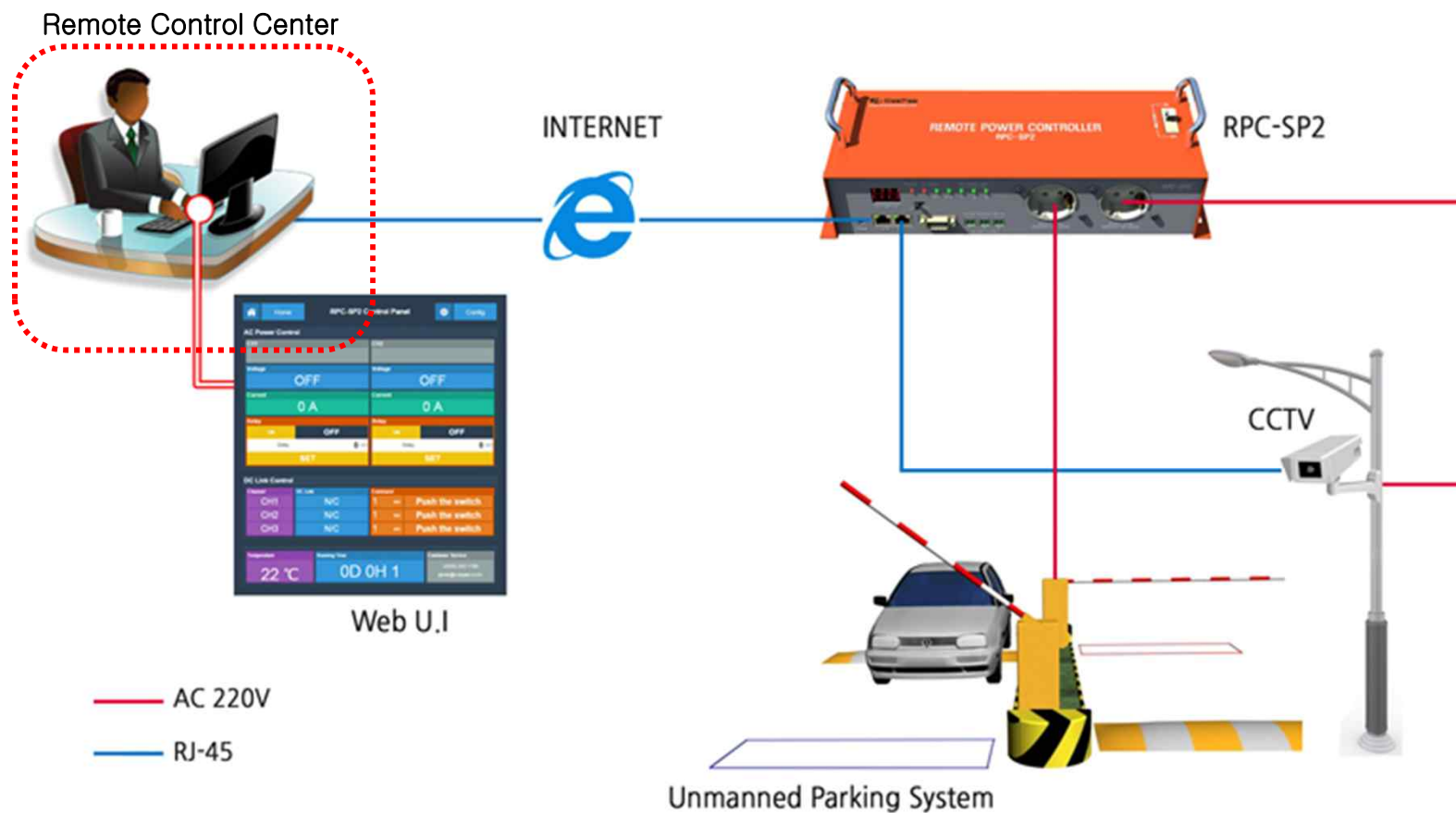# Industrial PC & Sensor network power Control

※ **Control electric power for Network devices in sensor network and IOT**

   - **Hard reset for initial countermeasure of hang up problem**

   - **Router, Switch/Hub, Repeater/ translator (industrial PC) for Ethernet communication**

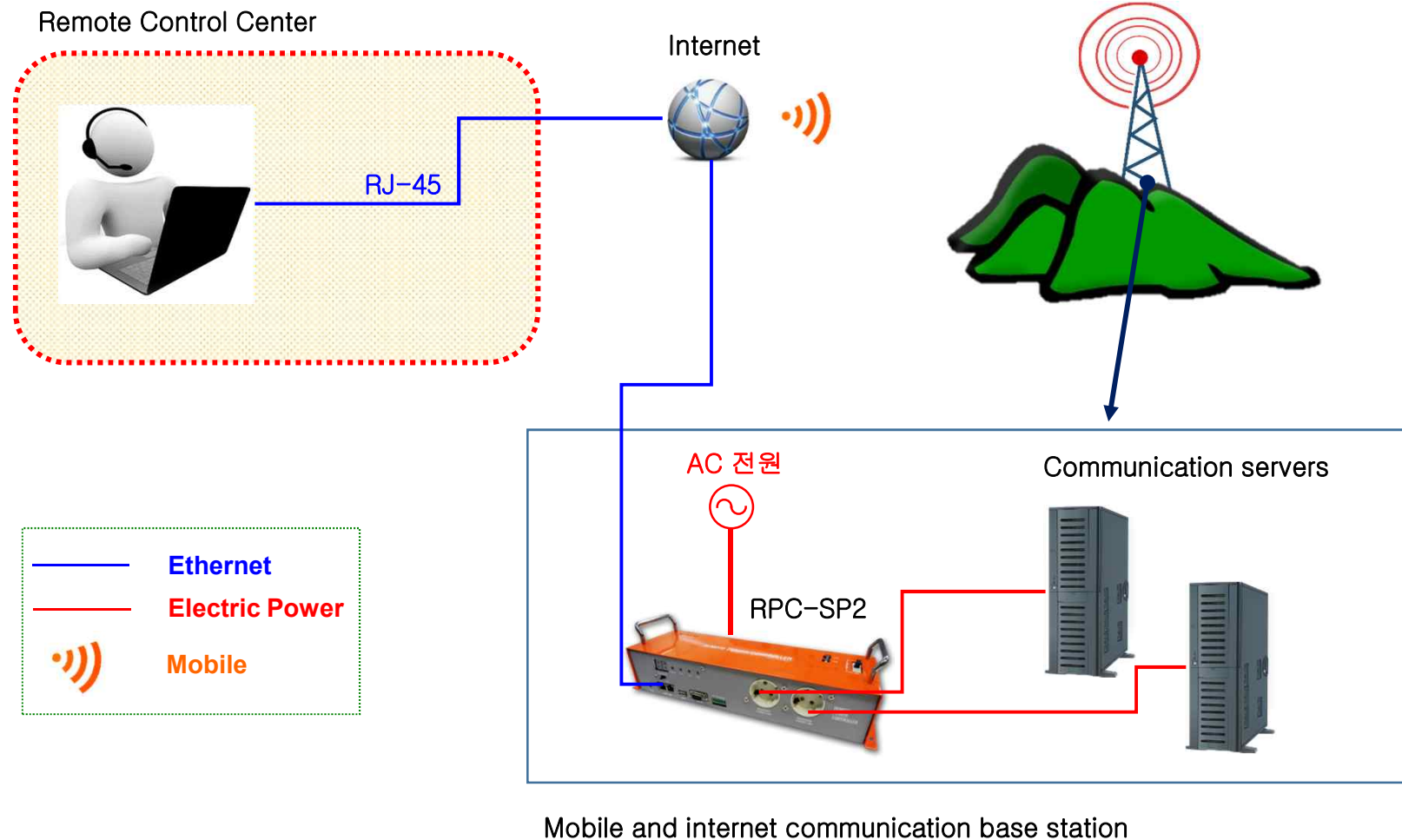## Self Parking System Control

※ **Control electric power for electronic parking fee system**

- **Hard reset for initial countermeasure of hang up problem**

# Communication Server Power Control

※ **Control electric power for Network devices in base station(Communication, forest fire, weather)**

- **Hard reset for initial countermeasure of hang up problem**

- **Communication server, Certification server, Switch/Hub, Repeater/ translator for Ethernet communication**

Remote Control Center

Internet

RJ-45

AC 전원

Communication servers

RPC-SP2

Ethernet

Electric Power

Mobile

Mobile and internet communication base station

# Streetlamp and outdoor billboard Control

※ **Control electric power for streetlamp and outdoor billboard**

- **Switch ON/OFF as a function of operation changes**

  **such as weather and time**
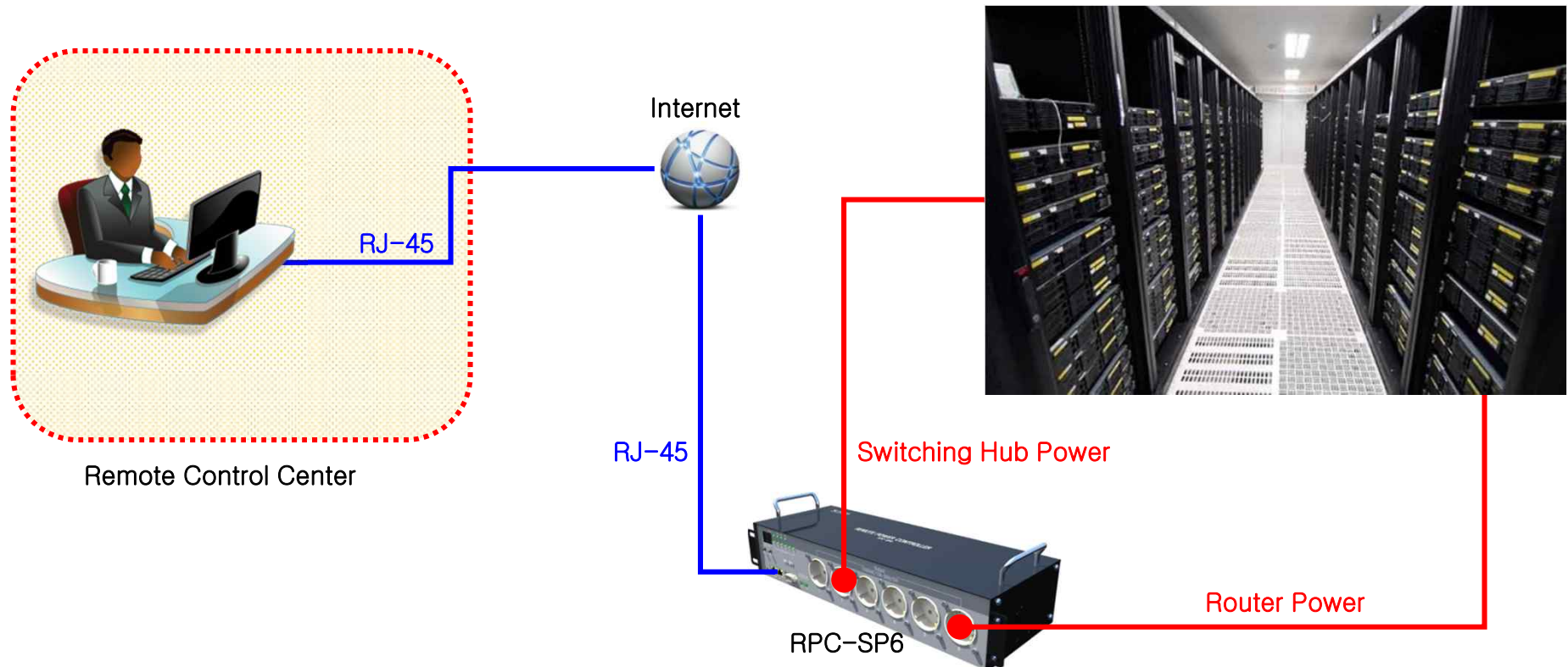
Remote Control Center

Internet

RJ-45

Streetlamp Power (right)

# Network Device Power Management

※ **Control electric power for Network devices in IDC and computer room**

- **Hard reset for initial countermeasure of hang up problem**

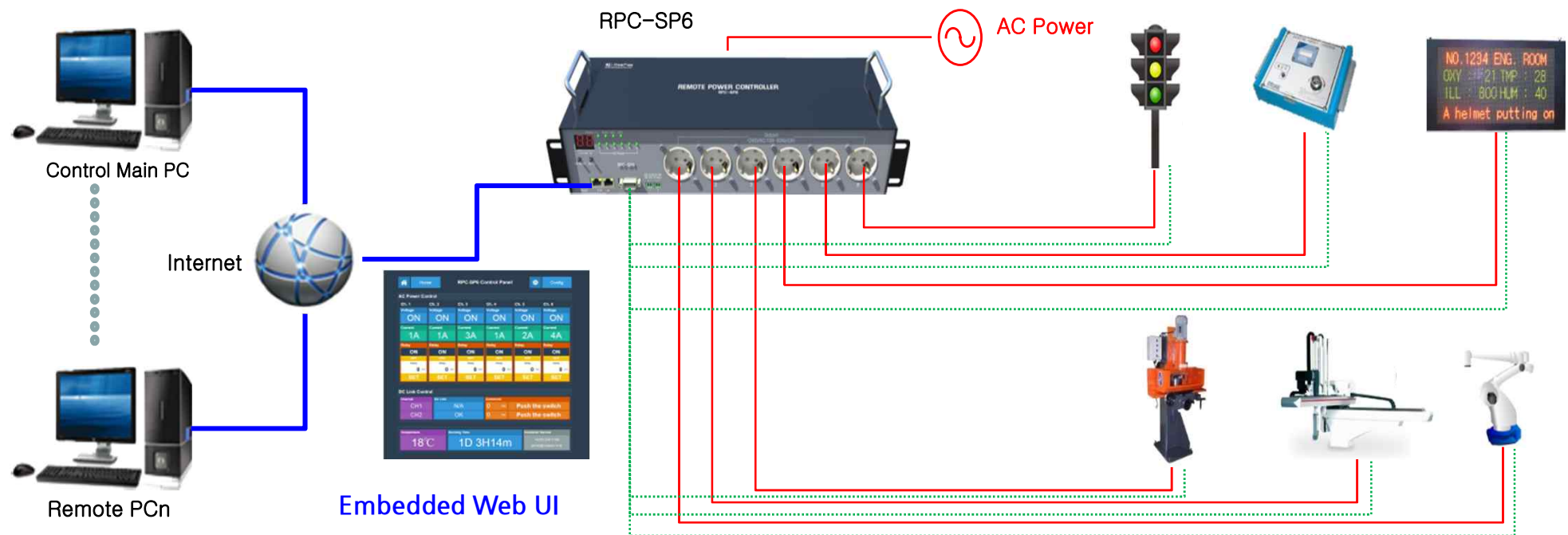- **Communication server, Certification server, Switch/Hub, Repeater/ translator for Ethernet communication**

Internet

RJ-45

Remote Control Center

RJ-45

Switching Hub Power

RPC-SP6

Router Power

\* RPC-SP6 is a remote power controller installed on the standardized network or server lack(19").

# Industrial Equipment Control

※ **Control electric power for machine, controller, and traffic sign**

   - **Switch ON/OFF as a function of operation changes**

RPC−SP6

AC Power

Control Main PC

Internet

Remote PCn

Embedded Web UI

※ **RPC-XXX can measure current and monitor power consumption in real time**
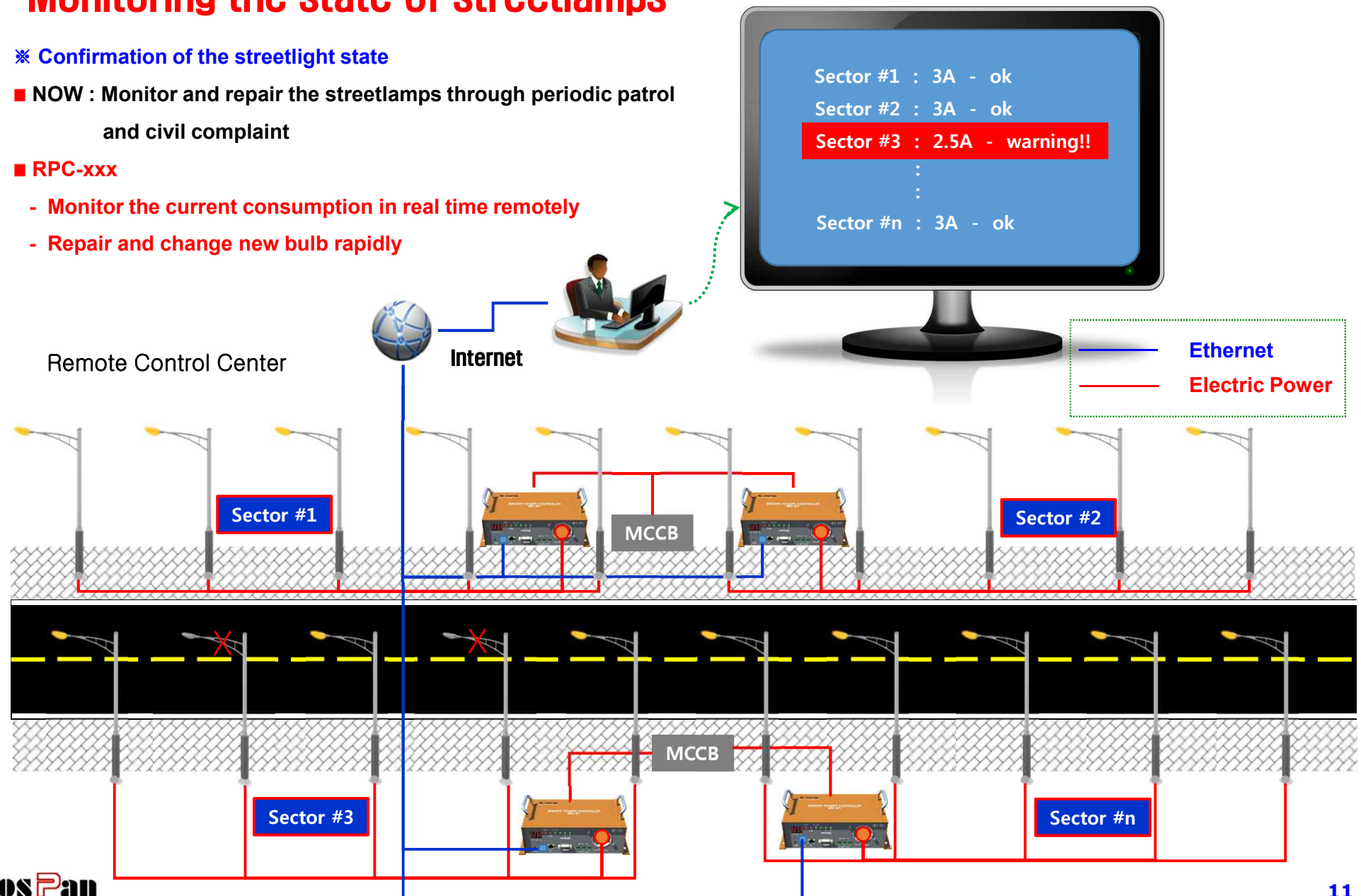
   **so that it can be used as a what hour meter.**

# Monitoring the state of streetlamps

※ **Confirmation of the streetlight state**

■ **NOW : Monitor and repair the streetlamps through periodic patrol**
      **and civil complaint**

■ **RPC-xxx**

  - **Monitor the current consumption in real time remotely**

  - **Repair and change new bulb rapidly**

Sector #1 : 3A - ok
Sector #2 : 3A - ok
Sector #3 : 2.5A - warning!!
Sector #n : 3A - ok

Remote Control Center

Internet

Ethernet
Electric Power

Sector #1

MCCB

Sector #2

Sector #3

MCCB

Sector #n

CosPan

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# Smart Factory (Facility Monitoring and Control System)–SAMSUNG Electronics Co.
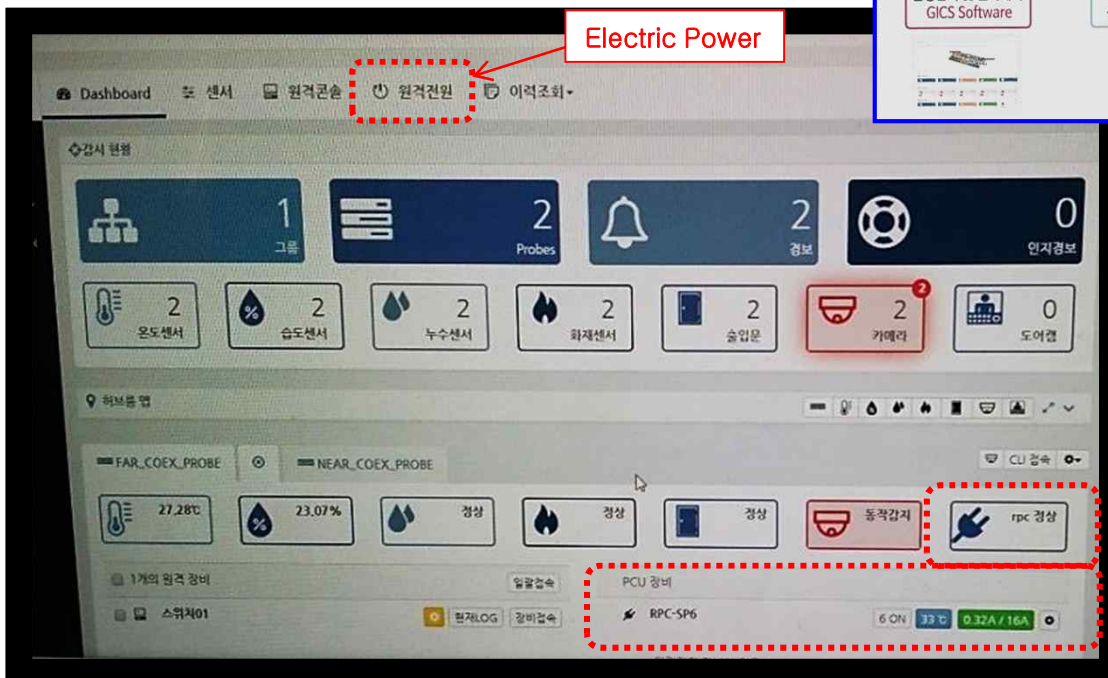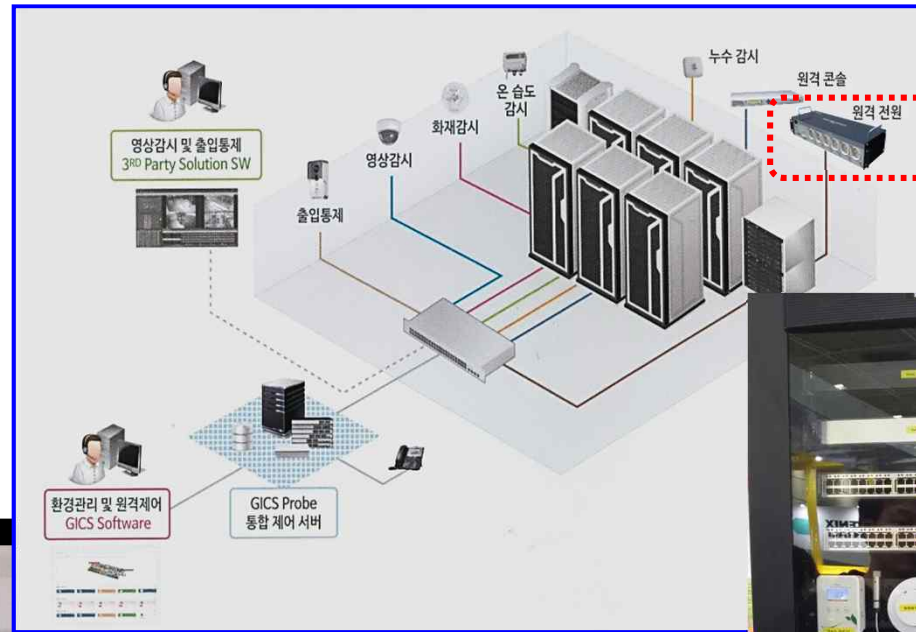
※ **Smart Factory**

■ **IOT Solution**

- Monitoring & Control
  : CCTV, Temperature, Humidity, Water, Access, Fire, Electric Power, Conditioning equipment

■ **Remote Electric Power Monitoring and Control**

- Remote monitoring and control electric power of

network devices and manufacturing machines
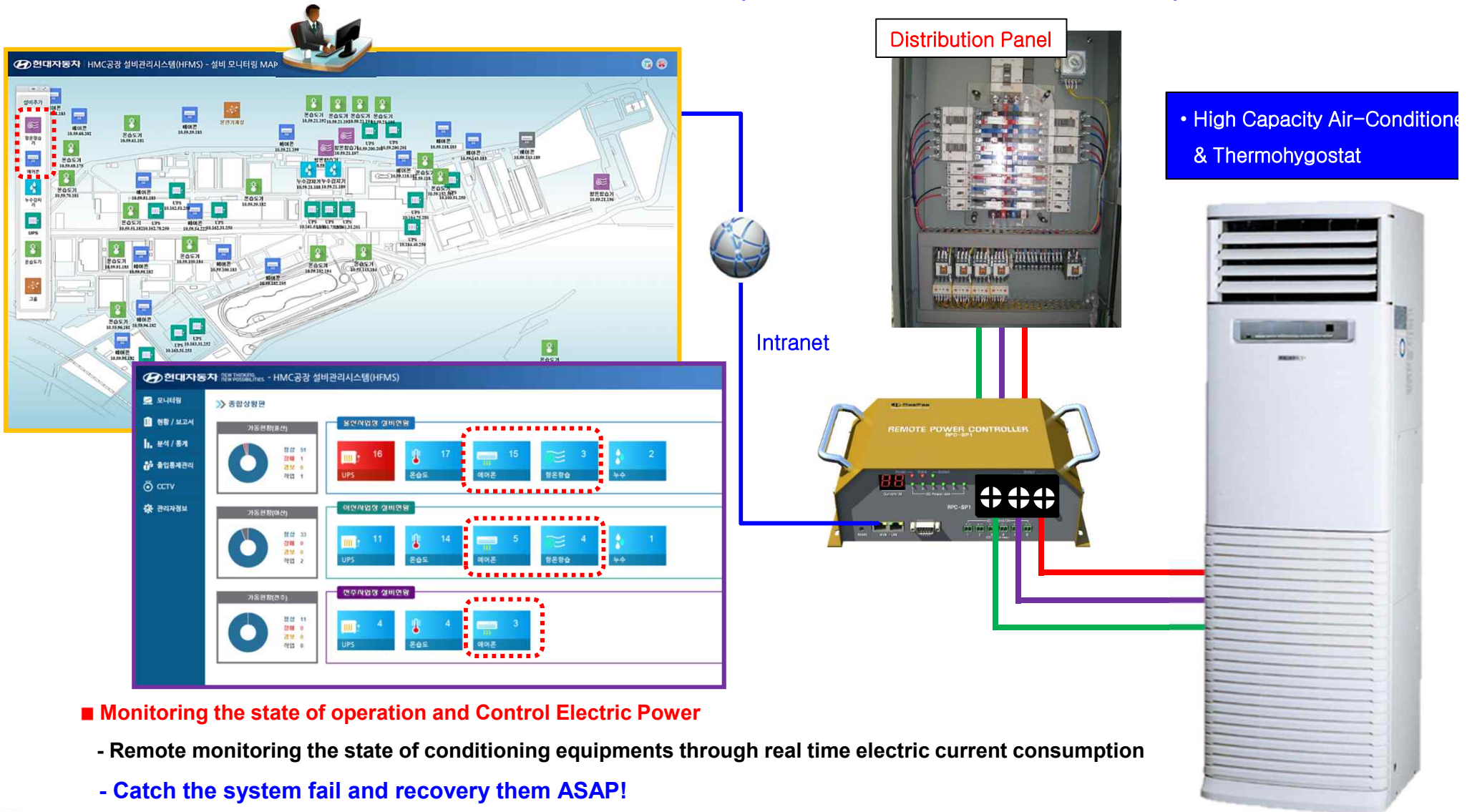
- Recovery system error through rebooting!

Electric Power

RPC-SP4, SP6



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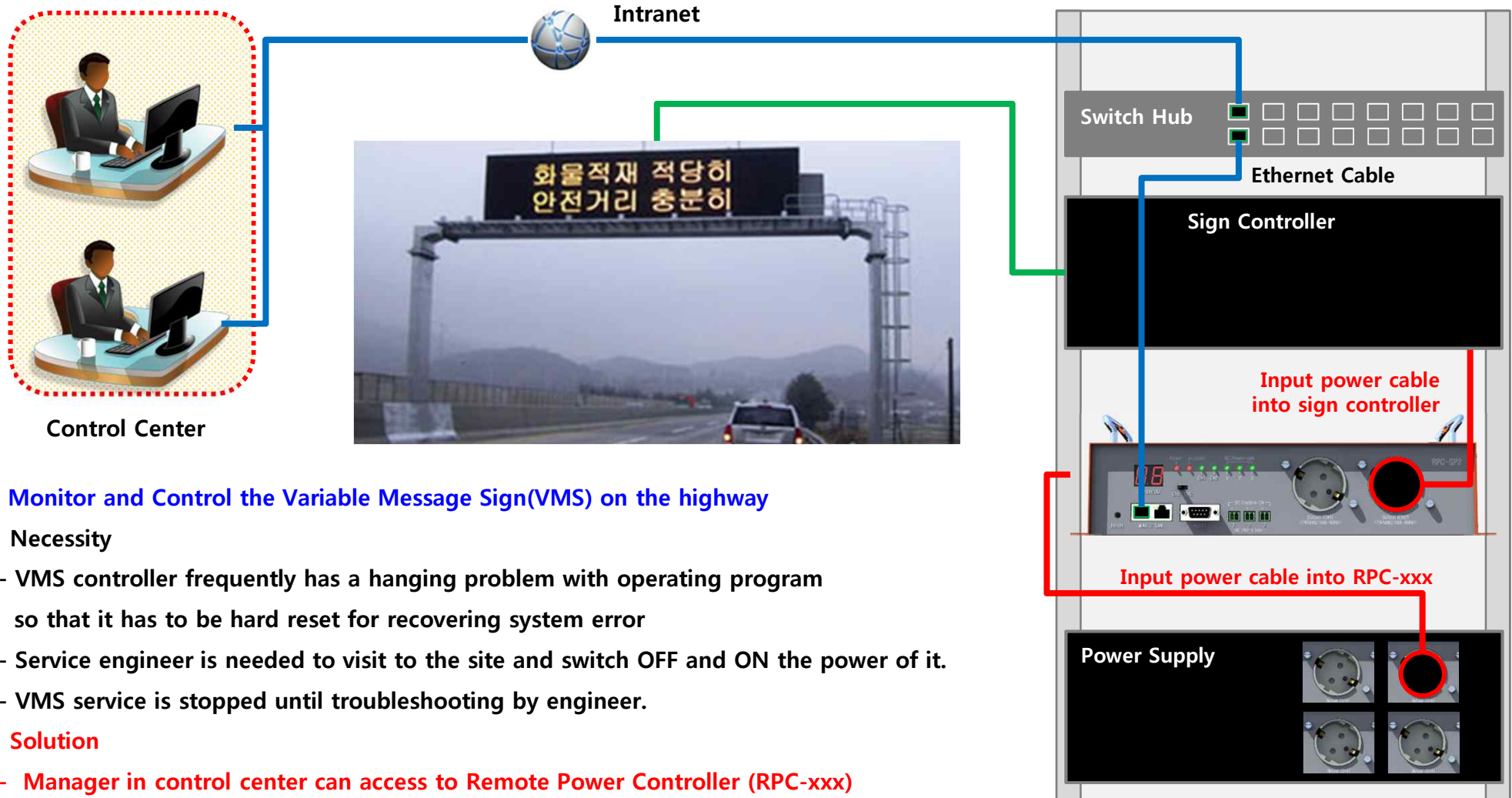# Smart Factory (Facility Monitoring and Control System)–HYUNDAI MOTOR Co.

※ **Product Model : RPC-TP1 // RPC-TP100 // RPC-SP35 (380V/30A // 440V/100A // 220V/40A)**

Distribution Panel

• High Capacity Air-Conditione
  & Thermohygostat

Intranet

REMOTE POWER CONTROLLER

■ **Monitoring the state of operation and Control Electric Power**

 - **Remote monitoring the state of conditioning equipments through real time electric current consumption**

 - **Catch the system fail and recovery them ASAP!**

# Intelligent Transportation System(ITS) – government Project

**Intranet**

**VMS control cabinet on the site**

**Switch Hub**

**Ethernet Cable**

**Sign Controller**

**Input power cable into sign controller**

**Input power cable into RPC-xxx**

**Power Supply**

**Control Center**

※ **Monitor and Control the Variable Message Sign(VMS) on the highway**

- **Necessity**
  - **VMS controller frequently has a hanging problem with operating program so that it has to be hard reset for recovering system error**
  - **Service engineer is needed to visit to the site and switch OFF and ON the power of it.**
  - **VMS service is stopped until troubleshooting by engineer.**

- **Solution**
  - **Manager in control center can access to Remote Power Controller (RPC-xxx) and switch OFF and ON remotely for recovering system error**
  - **This solution can reduce the maintenance costs and provide stable serviec**