

# GPSENKE

## Network ICT

**"Empowering your network for  
optimal performance and efficiency."**

- About GPSENKE
- Business Scop
- Network Product
- Network Industry
- Mission&Vision



# ABOUT GPSENEK

GPSENKE NETWORK ICT (referred to as GPSENKE) was founded in 2003 which is a comprehensive high-tech enterprise integrating technology research and development, production, sales, and service.

GPSENKE specializes in producing various communication equipment, including industrial wireless APs, industrial switches, 4G/5G routers, WiFi routers, edge computing gateways, and other devices. It provides comprehensive customized network solutions for a variety of different industrial sectors such as rail transit, coal mining, oil and petrochemicals, Smart warehousing, factory automation, wind power new energy, electric power, Smart cities, and military industry.





- GPSENKE Brand
- ODM Service
- OEM Service

We have our own factory and strictly control product quality.

## Solution Formulate

- Network Solution Customize
- Project Managed Docking
- Customer Costs Saving

Network Design + CAD layout + Device Select



## Products Produce

# What We Do?

## Technical Support

Cloud System  
Software development  
Hardware development



## R&D Service

- Sample Testing
- Device Remote Configuring
- Project on-site debugging
- After-sale Service



# Wireless Product Categories

## Commercial

- Home-use WiFi Router



- Ceiling Access Points



- Wall-Mount Access Points



## Industrial

- Industrial Outdoor Access Points



- Industry Sepcify WiFi



- Wireless Bridge



- Industrial 4G5G Router



# Wired Product Categories

## Industrial

- LAY-2 Managed Switch



- LAY-3 Managed Switch



- M12 Vehicular SW



- Industrial POE



- Serial Servers



- Media Transceiver



## Commercial

- Smart Ethernet



- Smart POE Switch



## Accessories



WiFi Module



Antenna



SFP Module



POE Adapter

## Solar Power



## Cloud System



# Main Commercial Industries

**Office Block, Buildings, Mall**



**Villa Community**



**Hotel, Hospital, School**



**Medium-sized Retail Stores**



**Coffee Shop, Pub**



**Cinema, Conference Hall**



# Main Eight Industrial Industries

**Oil&Gas Refinery**



**Wind&Solar New Energy**



**Mining & Pipe gallery**



**Metallurgical Steel**



**Warehousing**



**Railways+Rail Train**



**Smart Transportation**



**Automatic Factory**



# Oil&Gas Refinery



## Drilling Wellhead Network

- LAN Network Build
- Drilling Wellhead Data Detection



## Onshore/Offshore Drilling Network

- Sensors Data Receive and Transfer
- Real-time video surveillance data Transfer
- Long Distance WiFi Transfer to Center



## Oil&Gas Transport Network

- Alarming of oil leakage data in Real-time
- Sensors Data receive and transfer
- Long Distance WiFi Transfer to Center



## Petrochemical&Refinery Factory Network

- Whole Factory WiFi Coverage
- Sensors Data receive and transfer
- Cloud System Management



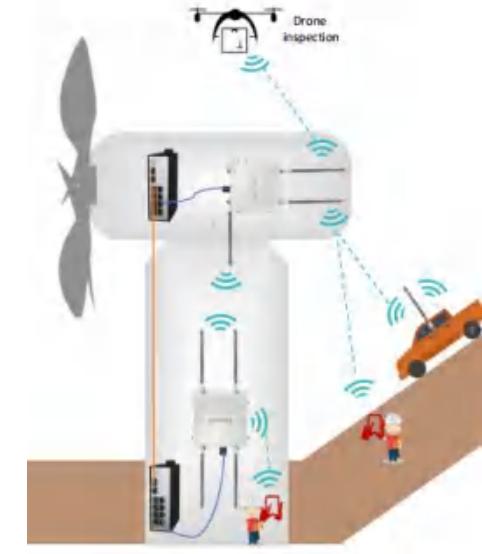


# Wind&Solar New Energy



## Wind Farm Wireless Network

- Tower Personnel Positioning(UWB)
- Cabin Wireless Coverage
- Wind Farm Wireless Networking



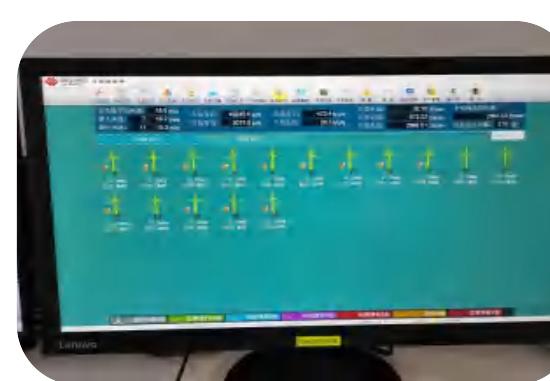
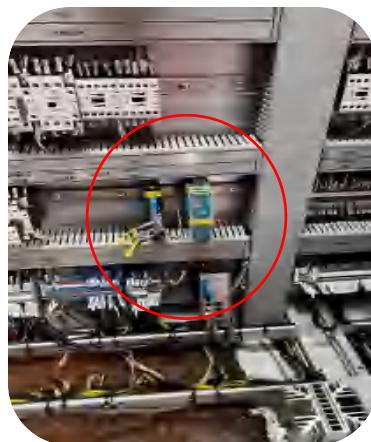
## Power Plant Network

- Wireless Unmanned Inspection
- Fiber Ring Network Build
- Sensor/PLC Data Transfer



## On/Off-grid Solar Network

- Power System+ Wireless bridge ( Long distance data Transfer)
- Power System + AP (Regional Wireless Coverage)
- Power System+ 4G5G Router (Smart Light Pole)



# Mining & Pipe gallery

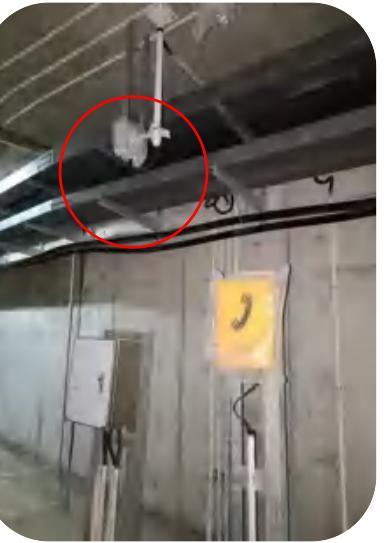


## On-Ground/Underground Mining Network

- Open-air Mining Wireless Networking
- Coal-Selection Factory Wireless Network
- Underground Mining Wireless Coverage
- Ring Network Build

## Underground Pipe Gallery Network

- Underground pipe gallery WiFi Coverage
- Up to 500m WiFi Coverage Direct Range
- Multiple Instrument Data Wired Transmission



# Smelter Factory



## Smelter Factory Network Build

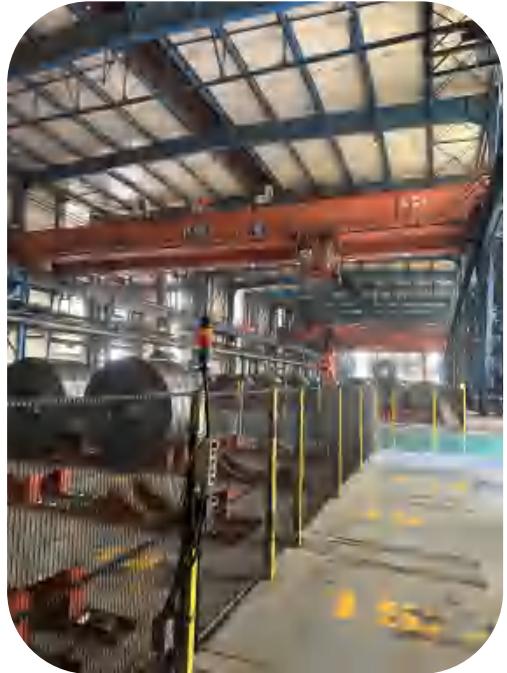
- Factory WiFi Coverage

## HRM(Hot Rolling Mill) Network

- Rolling Mill Overhead Crane Wireless Dispatches

## CRM(Cold Rolling Mill) Network

- Warehousing Networks



# Intelligent Warehousing



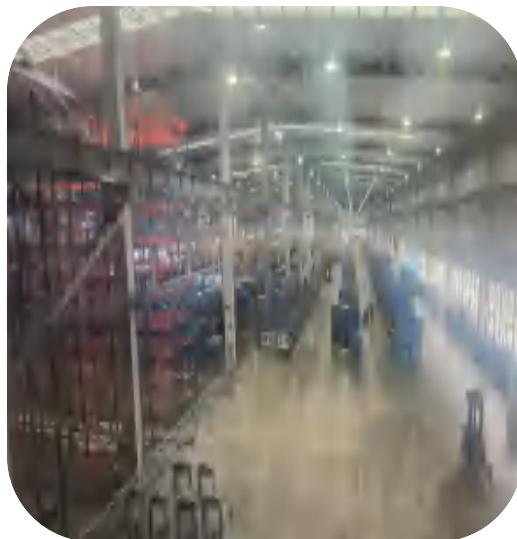
## Warehousing Factory 360° WiFi coverage

- Terminal device connection
- Unified management of cloud system



## AGV/RGV Seamless Roaming Switching

- When AGV/RGV works on the specified route, the client and AP are seamlessly switching (Time≤ 200ms).
- Guarantee AGV/RGV network links are smooth and work is stable.
- Support Various protocols(Modbus, IPv4/IPv6)



# Railways+Rail Train



## PIS(Passenger Infomation System) Network

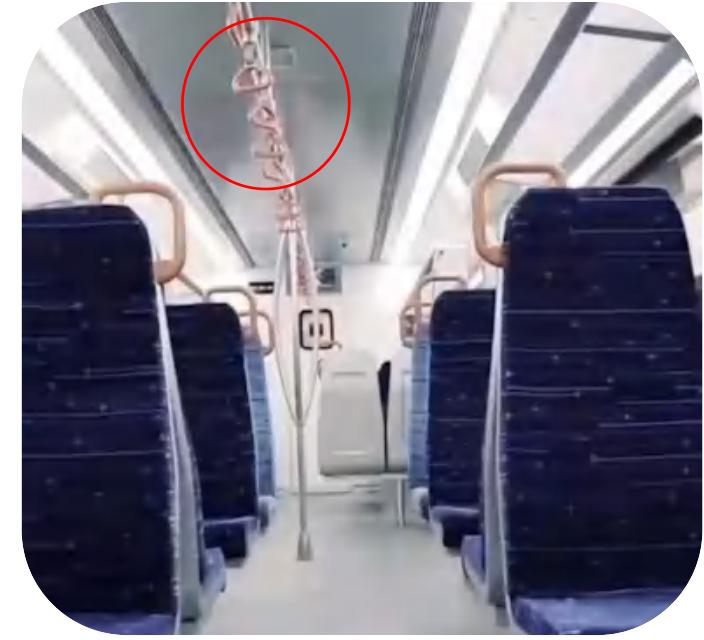
- Broadcasting/Media/Monitoring Data Network Transmit
- LAN Network WiFi Coverage
- CBTC(Communication Based Train Control System) Network
- Verious Communication(M12 SW/ M12 Router/WiFi)

## AFC(Automatic Fare Collection)Network

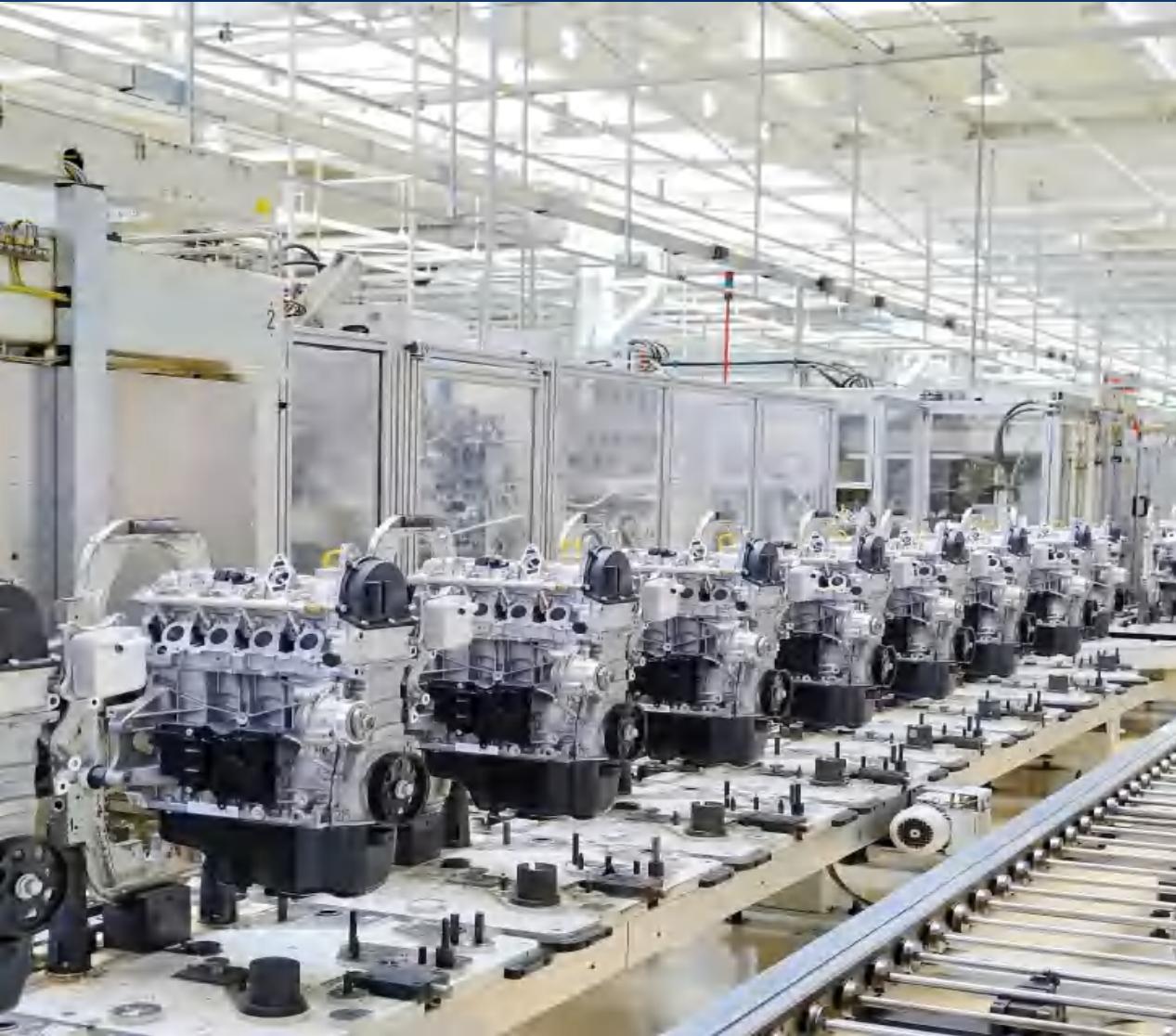
- Automatic ticket vending machine network
- Ticket entrance network
- Unmanned sales at the station/intelligent guidance network communication

## Freight Rail Network

- Freight train data synchronization network



# Automatic Factory



## Device Detection Data Transmission

- Factory WiFi Coverage
- Terminal Device Network Connection
- CNC machine status detection and real-time alarm
- Multiple Instrument Data Wired Transmission

## Operating end: CNC machine wired transmission

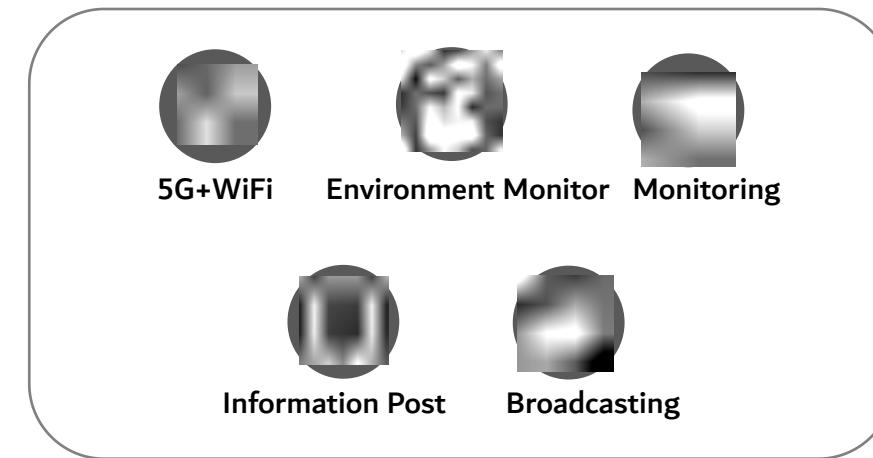
- Industrial Switch

# Intelligent Traffic



## Urban Road Network

- Traffic light network transmission
- Road video surveillance data transmission



## Highway Network

- Toll station network construction
- Service area network coverage
- Highway monitoring

# Other Various Industries



Construction Site

Water plant

Various Wireless Bridge Supplement

# **GPSENKE Mission&Vision**

**"Empowering your network for  
optimal performance and efficiency."**

**"Be your leading communication network expert"**

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