

# SAFETY MANAGEMENT AND CONTROL SOLUTION FOR ELECTRIFIED RAILWAY

## SUMMARY



Power supply system is one of the core systems to ensure the safety of electrified railway operation, and power supply operation and maintenance is an important part of power supply system, and its safety and efficiency are the key factors to ensure the reliable operation of power supply system.

There are many potential safety hazards in the traditional operation mode of electrified railway, including: (1) the safety guarantee of on-site operation mainly depends on management means; (2) frequent power outage and grounding operation, which is prone to safety accidents; (3) the safety management and control of multi professional and multi team cross operation is difficult. In addition, the traditional manual operation mode has low efficiency and long time, which seriously squeezed the effective maintenance operation time. In addition, there are many kinds of tools and instruments on site, and the labor level and inventory management mode are low efficiency and high cost.

The electrified railway safety management and control solution can effectively improve the safety guarantee ability of operators and equipment, improve the efficiency of cooperation among various specialties, extend the effective operation time, improve the efficiency of operation fault repair, and improve the informatization and intelligent level of maintenance operation management.

## ADVANTAGE



### Systematization

Comprehensive and systematic technical security guarantee for power supply operation and maintenance process of substation, catenary, depot, etc.



### Intelligent

Using the Internet of things communication and automation technology to achieve remote automatic grounding, improve the efficiency of grounding operation.



### Informatization

Through electronic billing, network flow and other ways to achieve efficient transmission of job information and closed-loop control.



### Visualization

Through the remote video linkage mode, the real-time monitoring of the operation process and the change of equipment status can realize the remote visual operation supervision.

## RELATED PRODUCTS

UT-7300 Wireless Positioning Device

JOYO-YS Television System

JOYO-X12 Line Equipment Patrol System

JOYO-B4 Computerized Switching Error Prevention Integrated System

DXGLQ Ground Wire Management System

UT-050 Smart Key Management Cabinet

UT-7710 Safety Tools Management Device