JOYO-H Management System for Rail Transit Power Supply Operation and Safety production

SUMMARY

Power supply system is one of the key factors that affect the safety production of rail transit. Once the failure or interruption, it will not only affect the normal operation of rail transit, but also bring huge pressure to the ground public transport. In serious cases, it may endanger the safety of people's lives and produce many adverse effects. Although the rail transit operation units have developed perfect management measures, the current rules and regulations basically rely on people to ensure the implementation, lack of effective technical support, and can not meet the overall objective requirements of rail transit power supply operation safety.

Considering the wholeline, the safety management and control solution of urban rail transit solves the problems of operation safety supervision and operation process informatization in power supply operation, realizes the overall safety management and control of power supply system, and ensures the safe, standardized and reliable operation requirements of power supply system of urban rail transit by technical means.

FUNCTION

Operation control center

- Safety monitoring of the whole line;
- Safety management of OCC power dispatching order
- Operation safety management of electrical equipment
- Misoperation prevention of overall electrical equipment of power supply network
- Information synchronization
- Work order and operation order management
- Video linkage monitoring

Overhead Contact System

- Work order preparation, review and submission, and automatic generation of operation guidance documents
- Safety management and control of catenary operation to realize the connection between order and operation site technology
- Safety control and standard management of ground wire
- Remote grounding and field grounding of OCC, OCS maintenance team, etc

Substation

- Prepare, review and submit work order, and automatically generate operation guidance documents
- Safety management function of electrical equipment within the jurisdiction;
- Remote video monitoring
- Compulsory and standardized management of grounding wire to realize real-time monitoring of grounding wire status
- Electronic inspection function of electrical equipment
- Work order and operation order management
- Video linkage monitoring

Depot maintenance

- Safety monitoring of the whole line
- Safety management of OCC power dispatching order;
- Operation safety management of electrical equipment
- Switching error prevention of overall electrical equipment of power supply network
- Information synchronization
- Work order and operation order management
- Video linkage monitoring

ADVANTAGE

Easy operation supervision

Realize the remote video supervision of the whole process of operation, greatly improve the efficiency of comprehensive management and control of equipment, personnel and operation.

Reliable security

On the basis of switching error prevention of equipment body and part, improve switching error prevention of cross equipment and cross location, and build an overall security system based on line network.

Safe operation

The whole process of operation logic judgment and video monitoring, the use of automation technology to improve the level of safety management and control of the operation.

Intelligent process

The working order, scheduling order, and switching order are finished by system, which shortens the preparation time and improves the work efficiency.

ACHIEVEMENT

- Guangzhou Metro
- Changsha Metro
- Nanchang Metro
- Guiyang Metro
- Ningbo Rail Transit Project
- Nanning Rail Transit Project
- Qingdao Rail Transit Project
- Dongguan Rail Transit Project