

SAFETY MANAGEMENT AND CONTROL SOLUTION FOR POWER GENERATION COMPANIES

SUMMARY



In view of the safety problems existing in the field operation of power generation enterprises, the traditional management means by men and rules has reached the bottleneck. The application of "technical defense" means to implement the safety management system and optimize the safety management business has become an important way to ensure the safety production of power plants.

Aiming at the safety management needs of power plant field operation, the system is ensuring the safety of the workers, equipment and operation process, and integrates advanced technologies such as artificial intelligence, big data, Internet plus, Internet of things, and so on, so as to realize the measurable, visual, early warning and controllable operation process, and form a safety production operation management system. It is necessary to strengthen the construction of intelligent and intrinsically safe power generation enterprises. The system has reached the international leading level through the appraisal of China Power Union. It has been widely used in thermal power, hydropower and wind power generation enterprises of national energy group, Huaneng, Huadian, state power investment, Datang and other groups, and has improved the safety production management level of enterprises.

ADVANTAGE



Technical control

Taking the business of the two votes and three rules as the control object, based on the idea of data-driven and business driven closed-loop control (PDCA), the system engineering method is applied to ensure the accuracy and completeness of safety measures in the operation process.



Technical implementation

Intelligent locking, condition monitoring, Internet of things and other technical means are applied to realize the interconnection of people, equipment and operation tasks, so as to ensure that the safety measures of operation tasks are enforced accurately on the operation site.



Intelligent skills

Using video intelligent analysis, wireless positioning, three-dimensional model and process monitoring and other technical means, according to the task information, intelligent identification of personnel, location, time information and violations, as well as on-site personnel safety risk intelligent early warning, panoramic display of the system.



Technical prevention

Using intelligent monitoring and identification technology, combined with operation task and safety risk management and control model, it can realize intelligent identification of human behavior and operation safety risk, as well as automatic connection with operation task, equipment status and operation environment.

RELATED PRODUCTS

UT-5230 Temperature Online Monitoring Device

UT-7300 Wireless Positioning Device

UT-5280 Microenvironment Monitoring Device

JOYO-E11 Intelligent Lock Management System

JOYO-X11 Patrol System

JOYO-YS Television System

JOYO-AF Auxiliary Monitoring and Management System

UT-0350 Strap Status Monitor and Manage Device

DXGLQ Ground Wire Management System

UT-050 Smart Key Management Cabinet

UT-7710 Safety Tools Management Device

UT-F500P30 Well Cover Monitoring and Blocking System

Safety Management and Control System for Power Generation Companies

UT-5286 Valve Status Monitoring Device