evoxs

lot Lock in Power Grid Service

Against Mis-operation and Maintenance in Proper Sequence

Management Requirement

The Power Grid switchgear rooms are secured by mechanical locks. The technicians should take a lot of keys to open different locks and doors, and keys are not easy to be well supervised.

----evoxs smart key system could open more than 60000 locks by different permission in real time.

Mechanical keys and locks cannot keep records who has operated the lock when the lock has been opened and where the lock is located.

---evoxs IoT lock offers tracking and location functions, someone has operated the lock keeping records who, when and where.

Power equipment should be maintained at regular intervals or in emergency cases, the basic requirement is to keep the maintainers safety and equipment at normal operation.

--evoxs elaborated management system operate with integrated work tickets and in-sequence lock system, this avoids misoperation and allows maintenance in proper sequence.

The location of the power equipment is scattered in different locations within citie or countrysides. It is not easy to be supervised and display on the map.

---evoxs platform allows to show all equipment and switchgears on the map at computer or smartphone screen through our IoT lock system. All power grid assets are under control by the management platform.

Application Place









Management Platform



- B/S structure software, visit the system according to permissions;
- Monitoring Software Platform; Real-time data shown to ensure system security;
- · Lock Management; installation according to site latitude and longitude;
- Permission Management; set permission to locks by hours;
- Event Audit; lock records, electricity transfer, maintenance ticket, bulletin, photo inquiry;
- · Open Interface: SDK provided;
- · Ticket Management System: real time for ticket application.



- · IOS App and Android App both existed;
- · App connected with locks/keys by Bluetooth;
- · App can prompt the lock location, latitude and longitude and other
- · Push notifications to operator/maintainer;
- · Real time feedback lock status and records.