



Description :

The platform adopts a multi-modular design, and supports hardware access, software access modules, etc. It features powerful data analysis capabilities, and can perform smart analysis of collected data to optimize building operations, so as to improve energy efficiency and space utilization, as well as user efficiency, comfort and safety.

Feature :

- * Adopt a multi-modular design, support hardware access, software access module, alarm processing module, equipment/system management module, task scheduling module, cross-system linkage module, data management module, message service module, and integrated data display and visualized interactive modules for administrators and users; support the access of up to 500 hardware data points, and support the smooth extension of hardware data points on demand.
- * Equipped with equipment/system management module, perform device management status monitoring and status query for the terminal and system; equipped with task scheduling module, push feedback of terminal and application status monitoring and alarm, support interactive module definition tools; equipped with data management module, including high-extension database, real-time data processing analysis, structured and unstructured data processing and other multi-dimensional data management services; support development of message service application and management of platform tool modules, provide API interfaces, and decouple the hardware and software layers, etc.
- * Support the digitalization and informatization of the space geography, realize standardization of the original architectural drawings, and meet the specification requirements of operation and maintenance management. The building space can be divided and managed freely. Different types of spaces are marked in different colors, and quick search and positioning can be carried out according to projects, buildings, floors, and functional areas, including space positioning, equipment and other project queries. It supports online space division. When the function of the building space changes, the space name in the model can be redefined.
- * Support a web interface that can be safely accessed from anywhere to monitor and manage the operating status of multiple geographically distributed lighting systems; support the monitoring and management of the operating status of multiple geographically distributed HVAC systems. The lighting and air-conditioning coverage area can be reset through the web interface.
- * The platform can collect environmental data in real time, and support big data accumulation and application data.
- * Support the digital management of devices, assign device ID and unified device communication rules; support rich device and system access modes and access auxiliary tools; support visualized data management of key statistical data of space, environment, energy, personnel, system monitoring, and alarm information.
- * Support cloud computing and AI algorithm functions, support on-demand extension, and support professional maintenance computing and storage capabilities.
- * Support user permission management, realize the user login based on strict permission division, dynamically determine the operator and manager, and the display content will be dynamically loaded according to the user's identity to ensure the security of system applications.
- * Support alarm information display such as real-time alarm location, alarm classification, alarm level and so on.
- * Support API interface development to connect to other building-related systems.
- * Support the realization of illuminance and personnel occupancy data without human intervention, and automatically adjust the lighting brightness and automatically turn off the lights in unused rooms.
- * Support the control of lighting brightness based on personal preferences to make users more efficient and comfortable; support advanced lighting settings in the operation management interface: schedule, scene setting and personalized control.
- * Support real-time collection of data on occupancy, lighting, lamp status and energy measurement, and automatically generate lighting trend analysis; the system background can display the floor plan, lighting status, and sensor status; you can choose to display energy data charts by day, week, month, and year.
- * Support real-time detection of the lamp status. When a lamp fails, it will prompt on the platform for more effective maintenance.
- * Support smart control of HVAC systems to save energy by monitoring the ambient temperature, occupancy status, and air quality in the building.
- * Support smart control of air conditioners in various areas according to schedule and scene settings; support automatic generation of personalized modes by analyzing the user's active control data of air conditioners; support providing regional and differential temperature control via machine learning.
- * Support building analysis, conduct predictive modeling of HVAC systems to improve operational efficiency; support environmental monitoring, build data through visual sensing of environmental conditions and functions.
- * Support continuous monitoring of weather conditions to maintain the best environmental comfort and best energy efficiency.
- * Support the real-time refined temperature and occupancy data from sensors, provide visual display of heat and density, directly interact with building systems.
- * Support energy efficiency management driven by AI and data, including energy efficiency monitoring, energy efficiency analysis, and energy efficiency optimization.
- * Support continuous monitoring of energy-saving potential, virtual decomposition of energy consumption using AI models, real-time energy efficiency analysis and verification, rapid creation of energy efficiency benchmarks, and real-time verification of energy savings throughout the life cycle.
- * The 24/7 smart energy efficiency optimization driven by AI builds a default AI model based on local holidays, weather, building area, people flow and other data, and supports continuous traceable abnormal monitoring and warning.
- * Support standard functions: real-time and historical data, energy consumption trends and analysis of different categories in different regions at different times, KPI, energy balance, energy efficiency labeling and other refined energy management.
- * The smart building platform can easily summarize the energy data of various properties. The intuitive interface and interactive charts help users clearly understand the energy modes of various properties.
- * The system can be connected to building management systems, digital meters, central air-conditioning systems and lighting systems, featuring strong scalability and easy installation and deployment.
- * The system background can display the floor plan, HVAC status, and sensor status; it supports the viewing of temperature and humidity of the current area, and the control of temperature, mode, and scene of the air conditioning. You can choose to display energy data charts by day, week, month, and year.