



Quality first innovation drive

COMPANY BROCHURE



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📍 Building A, Shandong Big Data Industry Base, Jinan, Shandong, 2003

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COMPANY PROFILE

公司简介

Shandong Ames Internet of Things Co., Ltd. is a technology enterprise focusing on the field of Internet of Things, and is also a leading solution provider in the field of industrial Internet of Things. It deeply cultivates the related technologies and services of Intelligent Manufacturing System (IMS), and is committed to providing customers with Internet of Things solutions and services. We focus on meeting the digital and equipment IoT needs of industrial manufacturing enterprises, and provide high-quality IoT application platforms, data acquisition systems, and edge computing solutions. The company's business covers the development, production and sales of IoT hardware devices, as well as the development and operation of IoT platforms.

As a company that adheres to independent innovation, we focus on solving industry pain points and key issues. Taking Jinan R & D Service Center as the core, we have established a nationwide direct office and close cooperation with industry partners, and built a perfect operation and marketing network. We adhere to technological innovation and business model innovation, with data collection, data analysis and data display as the core, and actively promote the development of Industry 4.0. Our products and solutions have been widely used in oil and gas, petrochemical, chemical, electric power, pharmaceutical, metallurgy, building materials, papermaking, new energy, new materials, food, transportation, aquaculture, agriculture, buildings and other industries.

Innovation : Encourage bold exploration and attempt, and constantly promote technological and management innovation.

Quality : the product and service quality excellence, the pursuit of zero defects.

Honesty : stick to the promise, treat people honestly, and establish enterprises with trust.

Cooperation : emphasizing teamwork and external cooperation to achieve complementary advantages.

Responsibility : the courage to assume social responsibility and corporate responsibility, and actively give back to the community.

Enterprising : maintain a positive and progressive spirit, and constantly surpass yourself.

ABOUT US

关于我们

QUALITY ASSURANCE OF INDEPENDENT INNOVATION

Create an intelligent controller that everyone will use,
so that the well-being of science and technology can spread to everyone.

15+

Industry Coverage

60+

Use scenarios

99%

Independent research
and development

Qualifications and Honor



Invention patent

Core algorithm and system
architecture innovation



Utility model patent

Continuous optimization of
hardware structure and process



CE/ROHS

Meet EU safety
compliance standards



Inspection test report

Third-party authority
detection endorsement



Software copyright

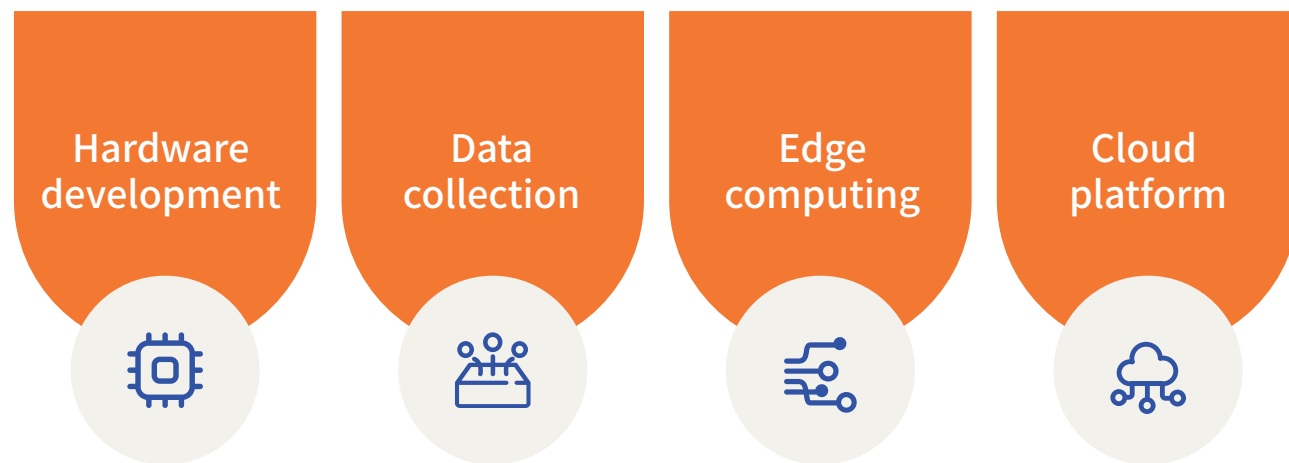
Platform and Edge Software
Compliance Standards



Xinchuang

Information technology
application innovation solutions

What do we do?



SERVICE NETWORK



AMIS



SIX CORE COMPETENCES

Edge computing Replace PLC	IDE Drag programming zero code	Multi-port multi-protocol Parallel acquisition simultaneous enablement
Protocol conversion Modbus · OPC · MQTT	Wireless remote networking LoRa · 4G	Cloud Remote monitoring Configuration large screen

AMES

Deep ploughing **15 +** industry brings edge intelligence to every site

From new energy to intelligent manufacturing, from water to buildings, Ames has solved the problems of data exchange, real-time control and remote operation and maintenance with the integrated scheme of 'one end, one side and one cloud'.

Energy efficiency · integrated energy management

Intelligent Manufacturing · Industrial Automation

Lighting · Intelligent lighting

Qingyuan · Smart Water

Fire shield · Fire security

Huinong · Intelligent Agriculture and Animal Husbandry

Green electricity · scenery new energy

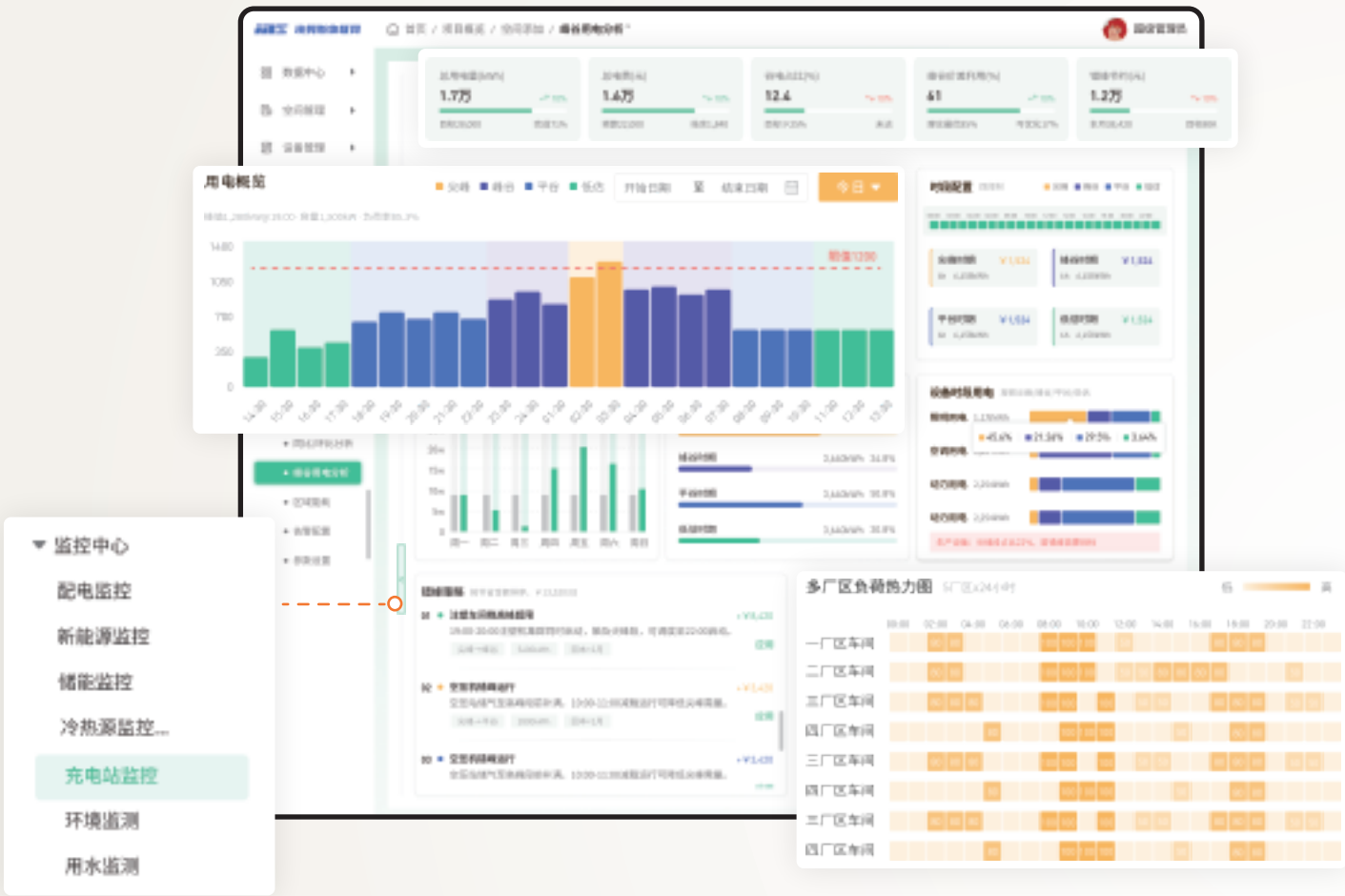
Covering 60 + landing applicable scenarios

ENERGY SOURCE

能效 · 综合能源管理

ENERGY MANAGEMENT PLATFORM

The supporting global visualization digital large screen visually presents the global energy data such as water, electricity, photovoltaic equipment operation, alarm information, and total carbon emissions. The one-screen overview of the park 's energy operation provides intuitive data support for energy saving, low-carbon operation and maintenance.



PEAK-VALLEY POWER CONSUMPTION ANALYSIS

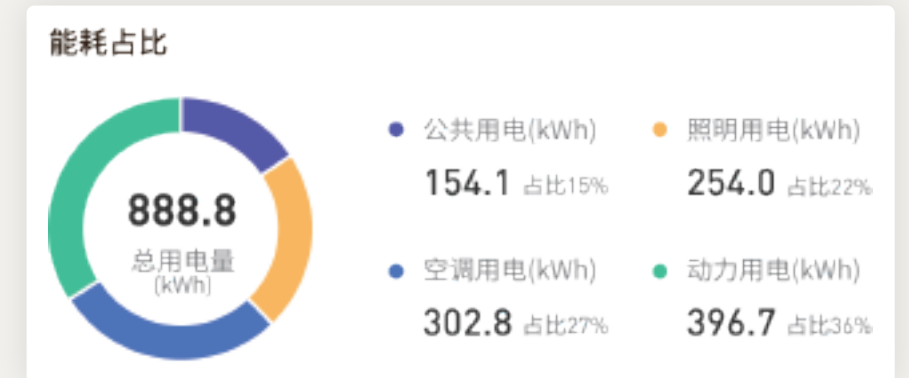
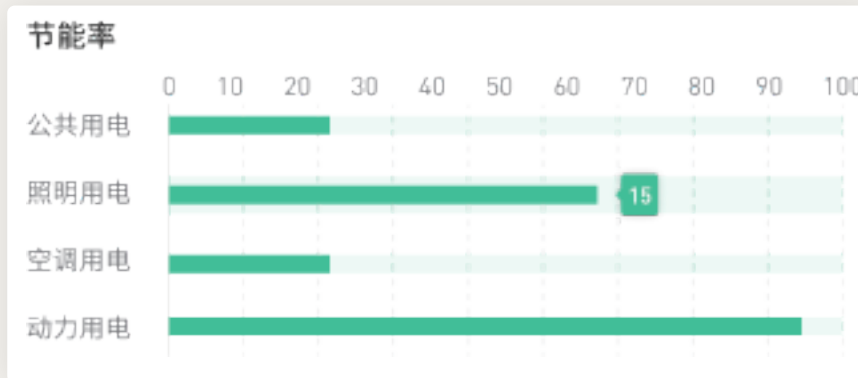
The platform is equipped with a refined energy analysis module, covering the core functions of power consumption overview, time-sharing power statistics, equipment sub-item energy consumption, multi-plant load thermal map, peak-valley peak-to-peak power consumption strategy configuration, etc., relying on multi-dimensional energy consumption data disassembly, accurate identification of plant power consumption fluctuations, optimization of peak-to-valley load distribution, and realization of refined power consumption control.

数字 可视化大屏 PLATFORM



COMPREHENSIVE DATA ANALYSIS

Time-sharing itemized electricity statistics, same-ring trend analysis, visual display of energy-saving rates of various categories, and digital control of energy consumption.



INDUSTRY

智造 · 工业自动化

Intelligent industrial automation system supports programmable, visual configuration, multi-protocol access and local edge computing, multi-terminal collaborative management and control, controller data cloud storage, off-line operation, docking of various devices and access to intelligent energy-saving SaaS platform to achieve integrated management of automatic control and energy consumption.



Cloud storage



Reduce costs



Complete control



Safe and reliable



File sharing



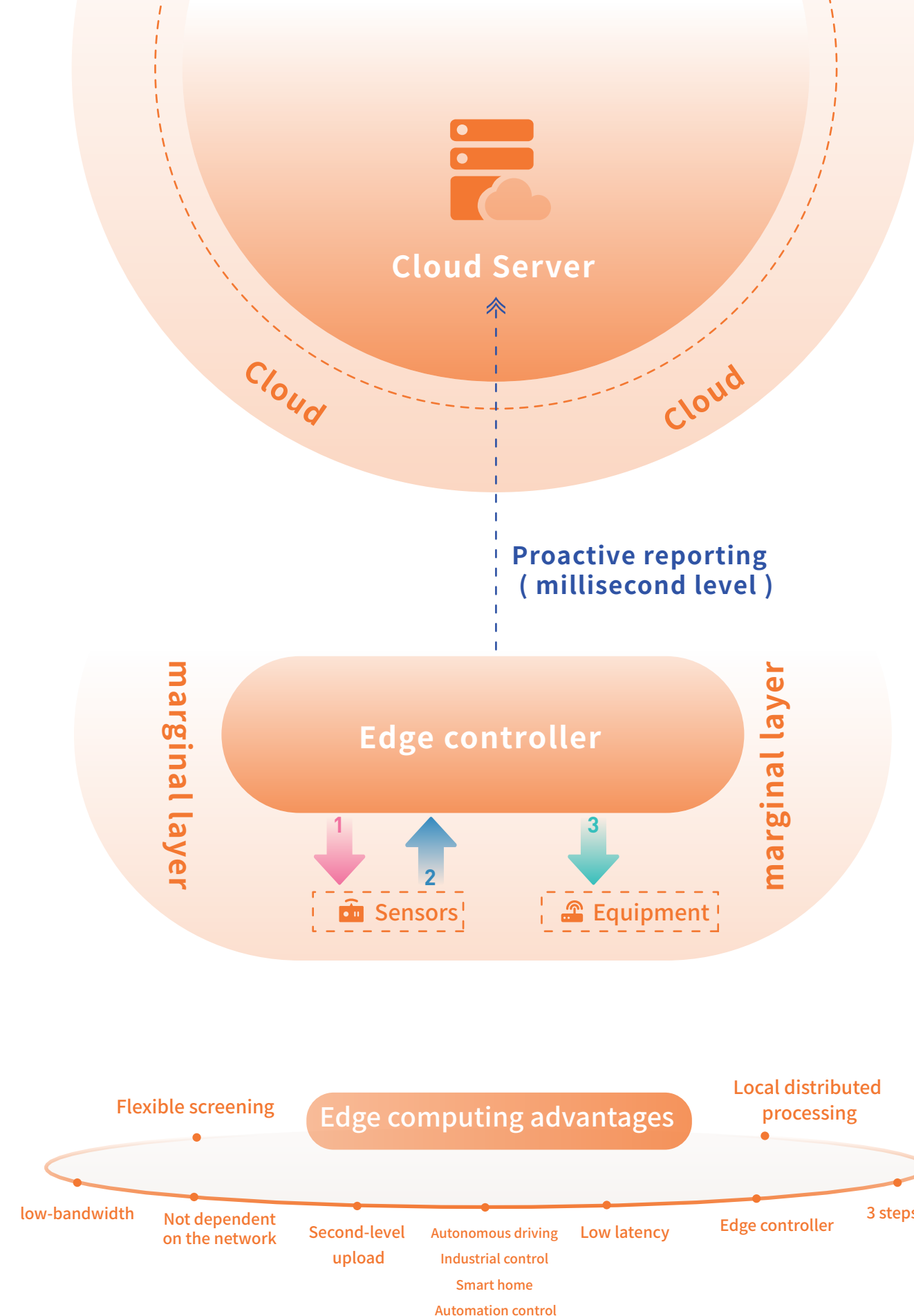
AI big model



Easy to use



High scalability



Multi-protocol collection

A variety of field protocols are collected into the controller and transferred from one protocol to reduce the complexity of the fieldbus.

Modbus RTU

CANopen

CJ/T188

S7

BACnet

Modbus TCP

DL/T645

自定义协议...

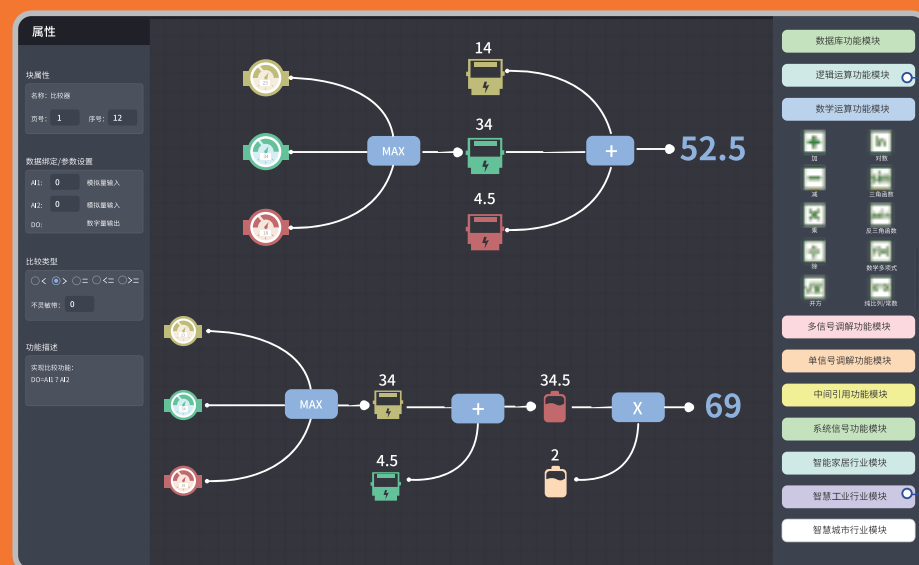


采集



Logical diagram construction

FBD programming is realized by using graphics, wiring and other elements, which is in line with IEC61131-3 international standard. The configuration can be completed by simple drag, pull, drag and other operations.



Configuration editor

The configuration editor drags and drops the components to build the process screen, binds the real-time data of the equipment, visually displays the operating conditions of the desulfurization system, and supports screen editing and file access.



ILLUMINATION

光启·智慧照明

upport automatic search

The automatic search device function can automatically scan the bus devices in the LAN according to the selected gateway, display the details of all online devices, support the rapid addition of batch ticks, and simplify the device entry process.

新增设备

自动搜索

手动输入

归属网关

192.168.1.65

搜索

设备编号	设备类型	设备模型	软件版本	
☒	1	空调控制模块	空调协议模块 (接空调网关)	1.0.1
☒	2	感应器	人体红外感应器	1.0.8
☐	3	感应器	人体红外感应器	1.0.8
☐	4	开关模块	6路16A开关模块	1.2.2
☐	5	控制面板	8键面板	1.0.3
☒	6	空调面板	空调面板	1.0.1
☒	7	电流检测模块	4路电流检测	1.0.8
☒	8	调光模块	6路0-10V调光	1.0.8
☒	9	可控硅调光	3路10A可控硅	1.2.2
☐	10	开关模块	4路16A开关模块	1.0.3
☐	11	窗帘网关	窗帘网关	1.0.1

取消

确定

空调网关

温度设置

26℃

室内温度 18℃

工作模式

制冷

制热

除湿

自动

风速控制

低速

中速

高速

DMX512-1

通信地址: 8

R

255

G

0

B

0

W

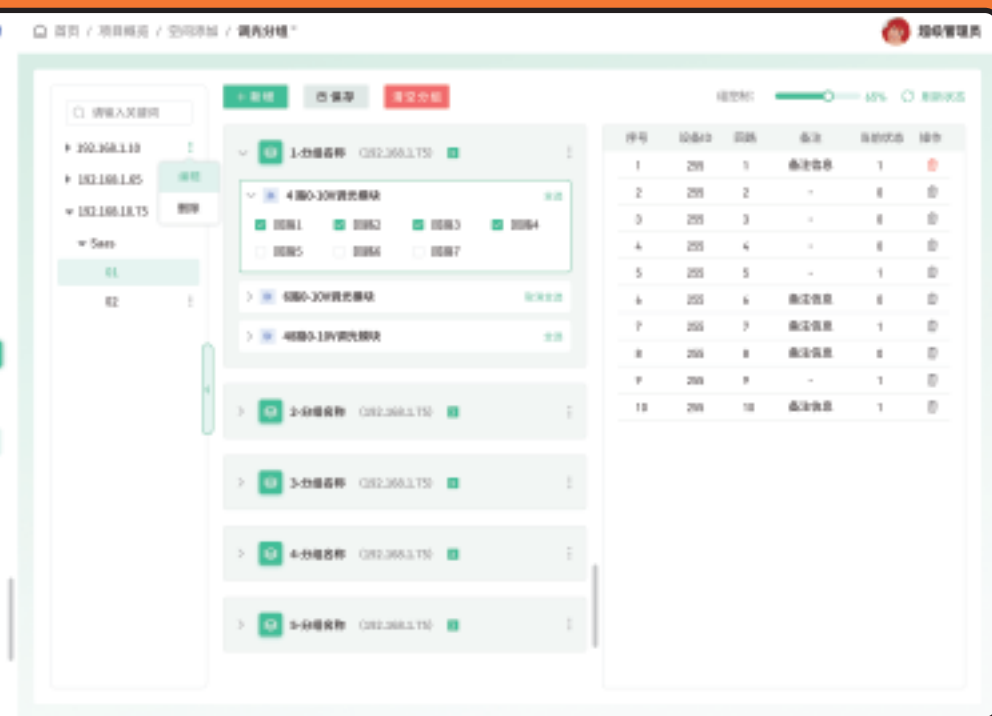
255

删除

测试

设置





Dimming grouping

Partition group management lighting circuit, batch dimming, real-time monitoring of equipment status.

Sensor configuration

Sensing the human body and light, automatically switch the lighting scene. Realize non-inductive intelligent energy saving.



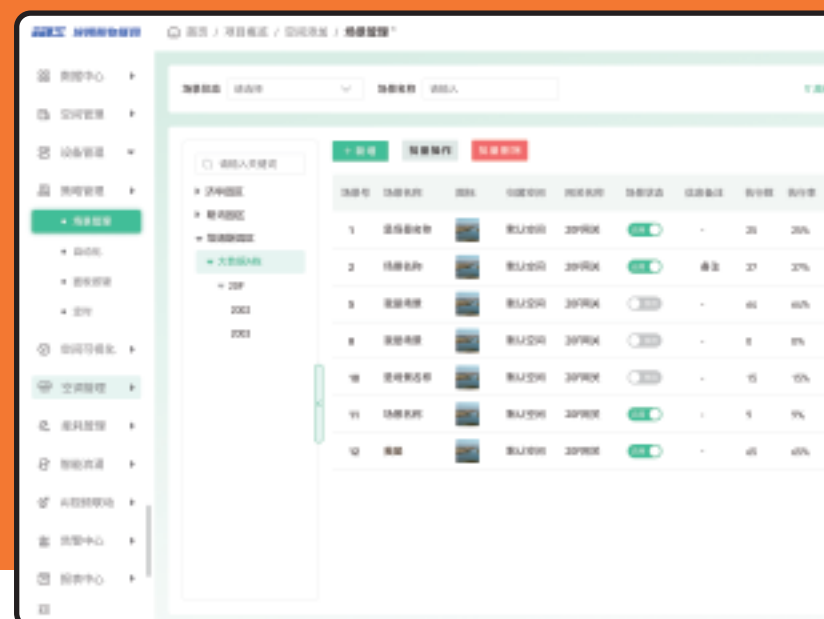
Timing strategy

The timing task is preset in different periods and periods, and the light is automatically controlled according to the date.



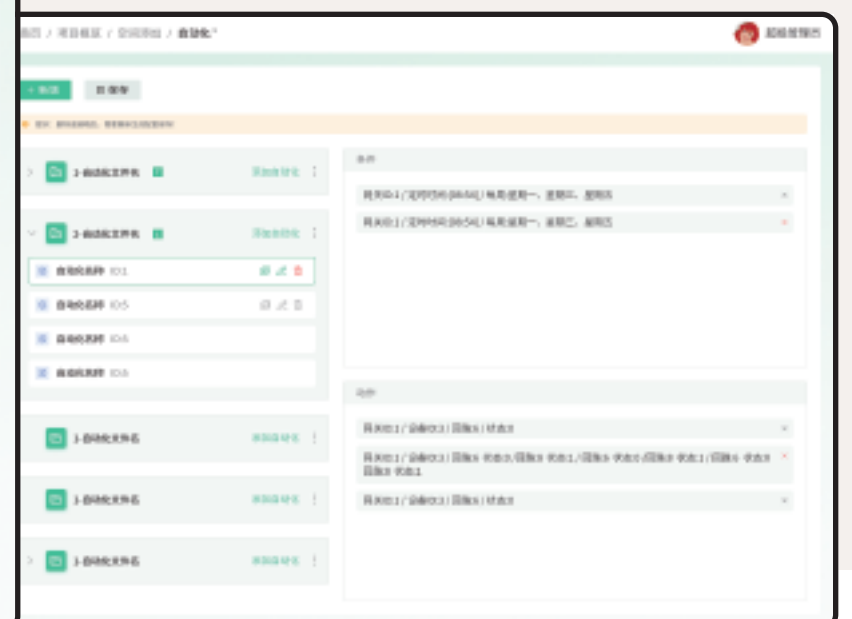
Scene management

Free grouping lighting circuit, preset lighting scene, one-click switching space light effect.



Automation

Set timing trigger rules, automatically perform device actions, and realize intelligent unmanned operation and maintenance of the whole scene.

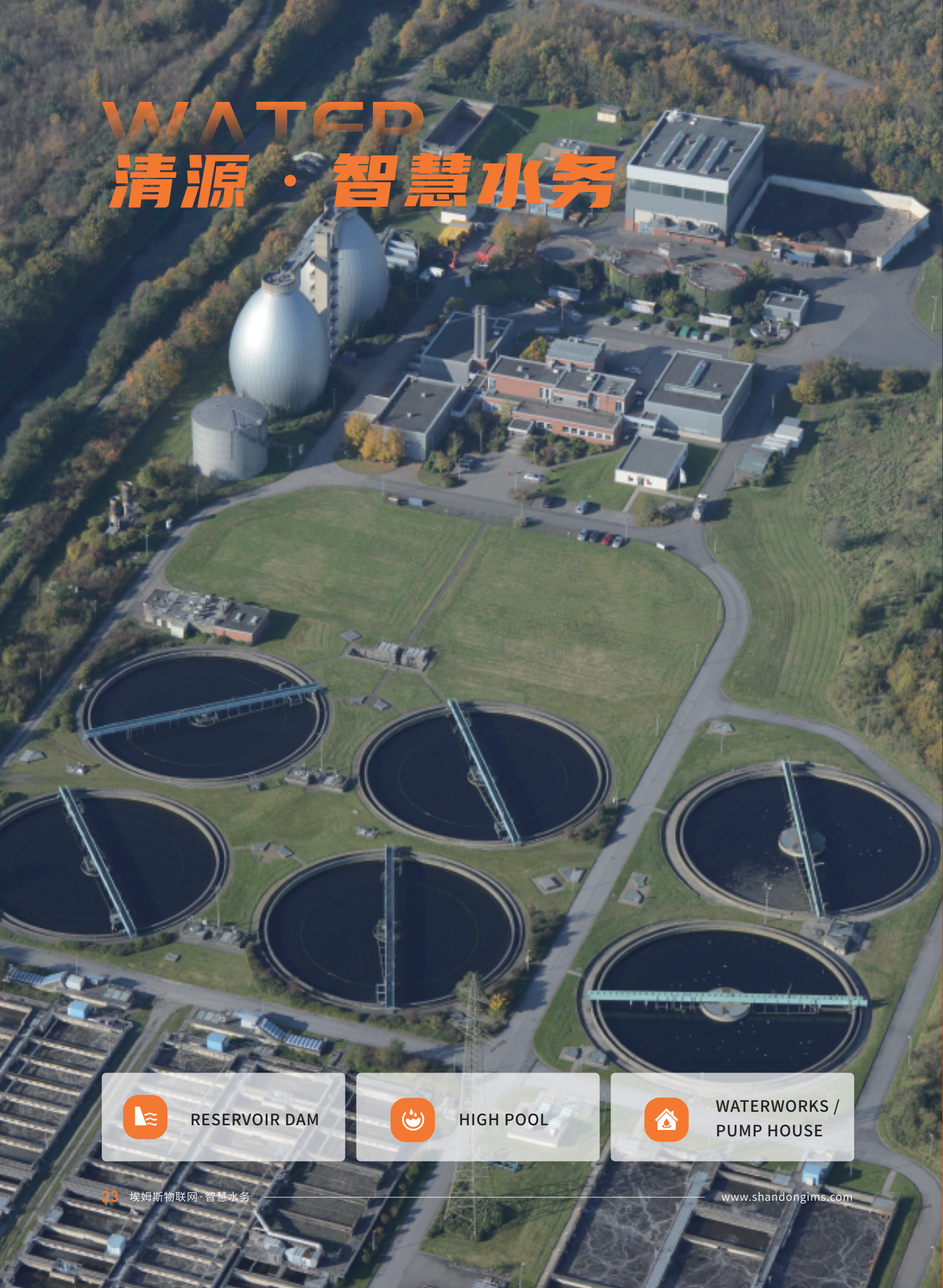


Regional monitoring-device layout

The equipment distribution module relies on the visual management of plane drawings to manage the whole space lighting equipment, and displays the online status, quantity proportion and energy consumption data of the equipment in real time. The device supports local dimming and color adjustment, with the function of space division, to realize the integrated management and control of point inspection, remote control and partition operation and maintenance.



WATER 清源 · 智慧水务



RESERVOIR DAM



HIGH POOL



WATERWORKS /
PUMP HOUSE

FIREFIGHTING 安盾 · 消防安防



SUBSTATION



CHAIN HOTELS



OFFICE BUILDING

HI INONG 慧农 · 智慧农牧



INTELLIGENT
IRRIGATION



VEGETABLE
GREENHOUSE



CATTLE FARMS

NEW ENERGY 绿电 · 风光新能源



FACTORY OPTICAL
STORAGE



DISTRIBUTED
PHOTOVOLTAIC
CLUSTER PREVENTION



INDUSTRIAL PARK
SOURCE RESERVES

PRODUCT MATRIX

开放兼容 · 无缝对接

IT IS NATIVELY COMPATIBLE WITH MAINSTREAM INDUSTRIAL PROTOCOLS, DEVICE DRIVERS AND DATA INTERFACES, AND SUPPORTS RAPID ACCESS OF PLC, INSTRUMENTS AND CONTROLLERS. AT THE SAME TIME, IT CAN DOCK PUBLIC CLOUD, PRIVATE CLOUD AND THIRD-PARTY BUSINESS PLATFORMS TO BUILD A FULL-LINK CONNECTION CAPABILITY FROM FIELD DEVICES, EDGE CONTROL TO CLOUD APPLICATIONS.

Support protocols

	 -TCP/RTU		
	 61850/101/103/104	HTTP	环保 HJ212
			水表 CJ/T188
电表 DL/T645		JSON	
	TCP	UDP	等.....

Protocol conversion

ModbusRTU	⇔	ModbusTCP	Modbus	⇔	OPC
BACnet	⇔	OPC	Modbus	⇔	IEC61850
OPC	⇔	MQTT	等.....		

Support Ports



Third-party platform docking



STANDARD-DRIVEN FAST ACCESS · SPECIAL EQUIPMENT ON-DEMAND CUSTOMIZATION

BUILT-IN MAINSTREAM DEVICE DRIVER, SUPPORT THROUGH THE CONFIGURATION TO QUICKLY COMPLETE THE PLC, INSTRUMENTATION AND CONTROLLER ACCESS ; FOR SPECIAL PROTOCOLS, NON-STANDARD EQUIPMENT AND PROJECT-SPECIFIC INTERFACES, IT CAN PROVIDE DRIVER ADAPTATION AND CUSTOMIZED DEVELOPMENT, AND CONTINUOUSLY EXPAND THE SCOPE OF DEVICE COMPATIBILITY.

SELF-DEVELOPED 自主研发

INTEGRATED 一体化产品体系



REAL PROJECT

项目遍布全国各行业

60+

Application scenarios

15+

Coverage industry

THE
WHOLE
NATION

Service network

MULTI-
TYPE

Controller adaptation



01

Intelligent lighting

Intelligent energy-saving SaaS platform system

Y系列设备

SaaS平台



02

Industrial automation

A steel waste heat power generation in Jiangxi

IMS-T200



03

Water conservancy

Shandong Water Resources Tax Project

IMS-T200



04

Breeding

Guangdong fishery intelligent monitoring

IMS-M100

IMS-M200

IMS-M500



05

Electricity

A power plant remote control project in Shandong

IMS-X100

Cloud



06

Factory

An electronics factory project in Foshan

IMS-C700

Serial screen



07

Energy consumption

Energy-saving renovation of a cement plant in Anhui

IMS-T200



08

Moving ring monitoring

Dynamic environment monitoring of machine room

IMS-M200



09

Firefighting

Fire pump integration solutions

IMS-M200

A-0108M



10

Energy consumption

Hubei Integrated Energy Management Project

IMS-U200

IMS-X100



WHOLE PROCESS 全流程专业服务

FROM REQUIREMENTS COMBING TO LONG-TERM OPERATION AND MAINTENANCE, AMES GUARANTEES THE QUALITY OF DELIVERY WITH A STANDARDIZED PROCESS, ADAPTS DIFFERENT APPLICATION SCENARIOS WITH CUSTOMIZED SOLUTIONS, RUNS THROUGH THE WHOLE LIFE CYCLE OF THE PROJECT, AND PROMOTES THE IMPLEMENTATION OF END-EDGE-CLOUD INTEGRATION.



INNOVATIVE AND REALISTIC · INGENIOUS FAR-REACHING

WITH RELIABLE PRODUCTS, CUSTOMIZED SOLUTIONS AND CONTINUOUS SERVICES TO ACCOMPANY CUSTOMER GROWTH, SO THAT EVERY DELIVERY HAS BECOME THE STARTING POINT FOR LONG-TERM TRUST.