



股票代码 Stock Code: 301361.sz

# SmartGen 众智

让控制更智能  
Making Control Smarter



China Offices

郑州众智科技股份有限公司  
SMARTGEN(ZHENGZHOU) TECHNOLOGY CO., LTD.

地址: 中国·河南省郑州市高新区雪梅街28号  
Add: No. 28 Xuemei Street, Zhengzhou, Henan, China  
Tel: +86-371-67988888/67981888/67981000(overseas)  
Web: www.smartgen.com.cn / www.smartgen.cn

企业画册V3.0  
ENTERPRISE BROCHURE V3.0

2026



深耕发动机、发电机和发电机组控制、新能源微网控制、智能电网控制领域近30年  
Nearly 30 years of expertise in control systems for engine, generator and genset, new energy microgrid and smart grid

自强不息，众智成城！  
CONTINUOUS IMPROVEMENT, TEAMWORK CREATES VALUE!

# COMPANY PROFILE

## 众智科技SmartGen

<p>始建于 ESTABLISHED IN 1998</p> <p><b>1998</b></p>	<p>公司总部 HEADQUARTERS: ZHENGZHOU, CHINA</p> <p><b>中国·郑州</b></p>	<p>产品类别 PRODUCT CATEGORIES</p> <p><b>1000+</b></p>	<p>客户 CUSTOMERS</p> <p><b>3000+</b></p>
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众智科技始建于1998年，创业板（股票代码301361）上市企业。主要从事发动机、发电机和发电机组控制系统、新能源微网控制系统、智能电网控制系统等相关产品的研发、生产、销售和服务。产品广泛应用于矿山石油开采、智算中心、船舶、海岛、智能大厦、零碳园区、电信、基建、工商储等领域，业务范围遍布全球，在50多个国家和地区设有办事机构。拥有数百项专利，有超过30%的员工致力于研发工作，坚持“让控制更智能”的核心理念，以推动行业技术进步为使命，不断创新与自我超越，为打造优质、安全、绿色、低碳可持续发展的产业生态链而不懈努力！

Established in 1998, SmartGen is a listed public company (stock code: 301361). The company specializes in the research and development, manufacturing, sales, and service of control systems for engines, generators and generator sets, new energy microgrid and smart grid. SmartGen's products are widely used across a broad range of industries including mining and oil extraction, AI data centers, ships, offshore islands, smart buildings, zero-carbon industrial parks, telecommunications, infrastructure, and commercial & industrial energy storage. With a global presence, we have set offices in more than 50 countries and regions. Holding hundreds of patents and with over 30% of its workforce engaged in R&D, SmartGen remains committed to its core philosophy of "Making Control Smarter". Driven by a mission to lead technological progress in the industry, SmartGen continually innovates and evolves, striving to build a high-quality, safe, green, low-carbon, and sustainable industrial ecosystem.

### 深交所创业板上市公司，国家级专精特新小巨人企业

A listed public company, National specialized, fine, special, and innovative "small giant" enterprise

### 集研发、制造、销售、服务为一体的技术密集型现代化企业

A modern technology-driven company integrating R&D, manufacture, sales and services



郑州雪梅街工厂 Zhengzhou Xuemei Street Factory



郑州金梭路工厂



土耳其伊斯坦布尔工厂 Türkiye Istanbul Factory

# OUR BUSINESS

## 业务板块



### 新能源 New Energy

BMS、EMS、PCS、储能柜, AC/DC, DC/DC, 保护板  
BMS, EMS, PCS, Energy Storage Cabinets, AC/DC, DC/DC, Protection Boards



### 工程机械控制 Engineering Machinery Control

消防泵控制, 空压机控制, 发动机控制, CAN监控仪, 手油门, 遥控器

Fire Pump Control, Air Compressor Control, Engine Control, CAN Monitor, Manual Throttle Control, Remote Controller



### 发电机组控制 Genset Control

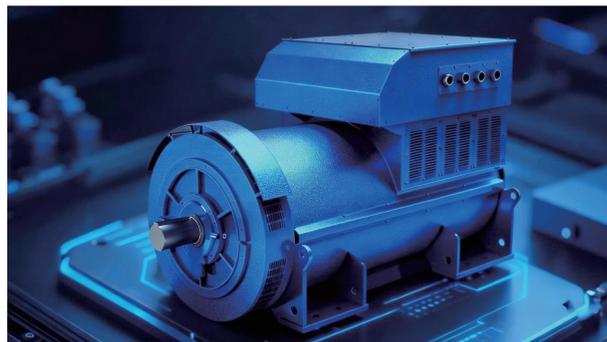
单机自启动, AMF, 多机并联, 并网, 灯塔控制, 燃油/电加热器, 充电器

Standalone Self-Starting, AMF, Multi-Unit Parallel, Grid Connection, Lighting Tower Control, Fuel/Electric Heater, Chargers



### 智能电网控制 Smart Grid Control

双/多路电源切换、旁路切换, 两进线一母联, 三进线两母联, ATS  
Dual/Multi-Power Supply Switching, Bypass Switching, Two-Income One Bus, Three-Income Two Bus, ATS



### 交流发电机控制 Alternator Control

数字电压调节、模拟电压调节  
DVR, AVR



### 船舶控制 Marine Control

EMS, PMS, 机旁, 电子电位器, 传感器  
EMS, PMS, Local Control, Electronic Potentiometer, Sensors

# DEVELOPMENT HISTORY

## 发展历程

2003

入驻郑州高新区  
Settled in Zhengzhou Hi-Tech Industrial Development Zone

2001

开始第一代双电源控制系统的研发  
Started the R&D of the First Generation of Dual Power Control System

1998

开始第一代发电机组控制系统的研发  
Started the R&D of the First Generation of Genset Control System

2012

参与GB/T 31038-2014“高电压柴油发电机组通用技术条件”的起草和制订  
Participated in the Drafting and Formulation of the GB/T 31038-2014 “General Technical Condition for High Voltage Diesel-Generating Sets”

2011

导入精益管理模式  
Started to Introduce Lean Management Model

2008

正式启动外贸业务  
Officially Launched the Business of Foreign Trade

2006

通过ISO9001质量管理体系认证  
Passed ISO9001 Quality Management System Certification

2016

通过GB/T 29490知识产权管理体系认证  
Passed GB/T 29490 Intellectual Property Management System Certification

2014

公司“新三板”成功挂牌  
The Company was Successfully Listed on the NEEQ

通过ISO45001职业健康安全管理体系 ISO14001环境管理体系认证  
Passed ISO45001 Occupational Health and Safety Management System and ISO14001 Environmental Management System

2013

进入工程机械领域  
Entered the Construction Machinery Sector

船机产品通过中国船级社“CCS”认证  
Marine Products Passed the “CCS” (China Classification Society) Certification

2020

被认定为国家级专精特新“小巨人”企业  
Recognized as a National Specialized, Fine, Special, and Innovative “Small Giant” Enterprise

2019

通过GB/T 23001两化融合管理体系认证  
Passed GB/T 23001 Integration of Information and Industrialization Management System Certification

2018

参与起草的GB/T 37089-2018“往复内燃机驱动的交流发电机组 控制器”国家标准发布  
The National Standard GB/T 37089-2018 “Reciprocating Internal Combustion Engine Driven Alternating Current Generating Sets Controller” that We Participated in the Drafting was Released

2023

“天健湖厂区”启用  
Opened the “Tianjianhu Factory”

进入发电机数字调压领域  
Entered the Alternator Digital Voltage Regulation Sector

2022

成功进入A股市场  
Became A Listed Public Company Successfully

2021

进入新能源领域  
Entered the New Energy Sector

2025

土耳其伊斯坦布尔众智科技成立  
Established the SmartGen Istanbul in Türkiye

注资北京广监云科技, 进入AI领域  
Invested Capital in Beijing Guangjian Cloud Technology Co., Ltd to Enter the AI Field

2024

导入增量绩效管理体系  
Introduced the Incremental Performance Management System

# HONORS & CERTIFICATIONS

## 荣誉资质



### 体系、荣誉/SYSTEMS、HONORS

**质量管理体系ISO9001、CCSR9001**  
Quality management system ISO9001, CCSR9001

**国家级专精特新“小巨人”企业**  
National specialized, fine, special and innovative “Small Giant” enterprise

**环境管理体系ISO14001**  
Environmental management system ISO14001

**河南省大数据产业融合创新中心**  
Henan provincial big data industry integration and innovation center

**职业健康安全管理体系ISO45001**  
Occupational health management system ISO45001

**河南省制造业单项冠军企业**  
Henan provincial manufacturing single-category champion enterprise

**知识产权管理体系GB/T29490**  
Intellectual property management system GB/T29490

**河南省绿色示范工厂**  
Henan provincial green model factory

**两化融合管理体系GB/T23001**  
Two integration management system GB/T23001

**河南省智能工厂**  
Henan provincial smart factory

**双重预防管理体系**  
Dual prevention management system

**河南省创新型试点企业**  
Henan provincial innovative pilot enterprise

### 认证/CERIFICATION



**CCC认证**  
CCC certification

**CE认证**  
CE certification

**UL认证**  
UL certification

**CCS（中国船级社）认证**  
CCS (China Classification Society) certification

**BV（法国船级社）认证**  
BV (Bureau Veritas) certification

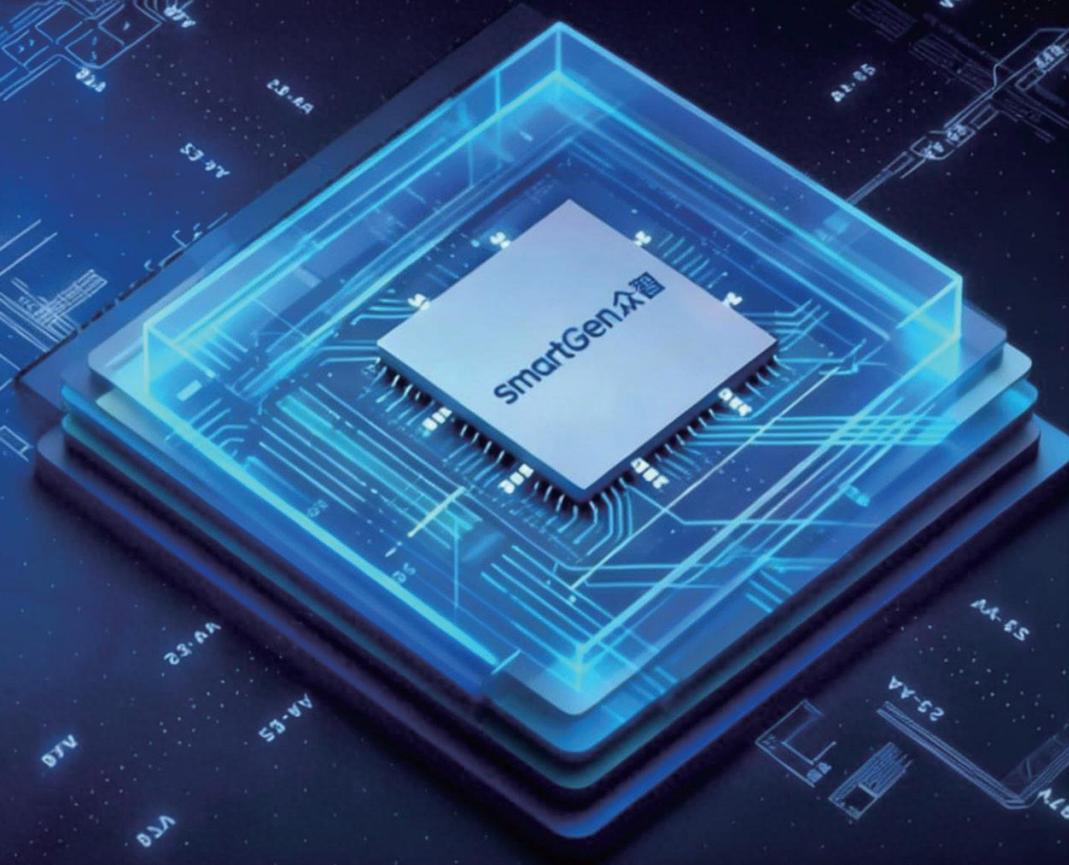
**ABS（美国船级社）认证**  
ABS (American Bureau of Shipping) certification

**NK（日本船级社）认证**  
NK (Nippon Kaiji Kyokai) certification

**RS（俄罗斯船级社）认证**  
RS (Russian Maritime Register of Shipping) certification

# CORE COMPETITIVENESS

## 核心竞争力



### 研发实力雄厚 Strong R&D Strength

近30年行业深耕经验  
国家标准起草者  
产品技术国际领先  
Nearly 30 years of deep industry experience  
National standard setter  
International leader in product technology



### 智能制造 Intelligent Manufacturing

工业4.0数字工厂  
批量定制化柔性生产  
精益六西格玛管理模式  
Industry 4.0 digital factory  
Flexible production and mass customization  
Lean Six Sigma management model



### 专家营销 Expert Marketing

工程师级别营销团队  
精准触达需求痛点  
充分释放差异化价值  
Engineer-level sales and marketing team  
Precisely addresses pain points  
Maximizes differentiated value



### 全球服务网络 Global Service Network

50多个国家和地区设有办事机构  
数千家长期优质客户遍布全球  
可持续发展的完整产业生态链  
Offices in over 50 countries and regions  
Thousands of long-term premium clients span the world  
Sustainable and complete industrial ecosystem

# MAJOR R&D

## 大研发

30%+

研发人员占比  
R&D staff more than 30%

10%+

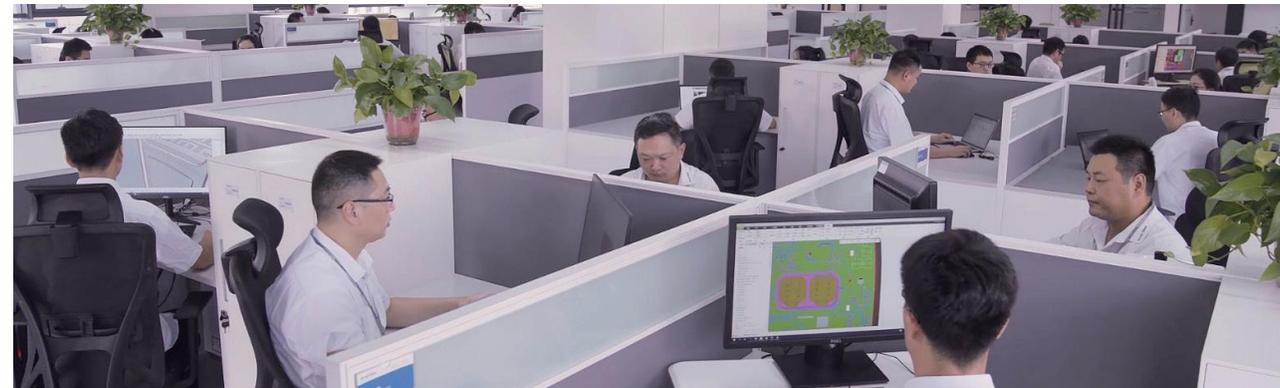
研发投入  
R&D investment more than 10%

600+

解决方案  
600+ solutions

500+

知识产权  
500+ intellectual property assets



### 多个领域的专业研发团队

Professional R&D teams in multiple fields

- ◎ 陆用和船用发电机组及发动机控制系统  
Land-based and Marine Genset and Engine Control System
- ◎ 新能源控制系统  
New Energy Control System
- ◎ 智能切换控制系统  
ATS Control System
- ◎ 工程机械控制系统  
Engineering Machinery Intelligent Control System

- ◎ 数字调压系统  
Digital Voltage Regulation System
- ◎ 云监控平台  
Cloud Monitoring and Control System
- ◎ 自动化设备等研发团队  
Automation Equipment

### 行业内屈指可数的一流试验基地

It is one of the handful of top-ranking testing bases in the industry



- ◎ 产品全生命周期保障  
Comprehensive Product Lifecycle Testing

- ◎ 原材料检测：选型、抽检、失效分析等  
Raw Material Testing: Material Selection, Random Sampling, and Failure Analysis, etc.

- ◎ 涵盖环境、化学、环保、性能、可靠性等指标检测与分析  
Testing and Analysis Covering Environmental, Chemical, Ecological, Performance, and Reliability Indicators

- ◎ 成品检测：型式试验、库存抽检、失效分析、寿命试验等  
Finished Product Testing: Type Testing, Inventory Sampling, Failure Analysis, and Lifetime Testing, etc.

- ◎ 研发过程检测：预研、研发中、试产、小批、鉴定、型式试验等  
Full-Process R&D Testing: Pre-Research, In-Process R&D, Trial Production, Small-Batch Production, Qualification Testing, and Type Testing, etc.

# INTELLIGENT MANUFACTURING

## 智能制造



控制器生产线、充电器生产线、加热器生产线  
Controller Production Line, Charger Production Line, Heater Production Line

储能产品生产线、控制柜生产线、其他生产线  
Energy Storage Product Production Line, Control Cabinet Production Line, Other Production Lines



# INTELLIGENT WAREHOUSE

## 智能仓储



### 智能立体仓

Intelligent Warehouses  
ERP+WMS+WCS

### 1万+ 库位

Over 10,000 storage spaces

### 数十台AGV

Dozens of AGV



先进先出  
First in,  
First out



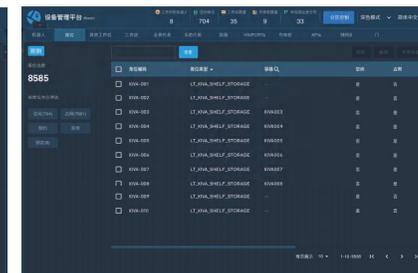
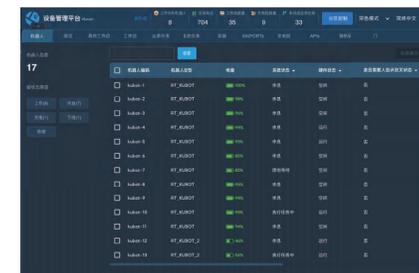
智能配送  
Intelligent  
Delivery



可视化  
Visual  
Process



高效精准  
Efficient &  
Accurate



# DIGITAL & SMART FACTORY

## 数智工厂



数智工厂架构图 Digital & Smart Factory Architecture

精益化  
Lean

自动化  
Automatic

数字化  
Digital

智能化  
Intelligent

智云平台数字看板 Cloud Monitoring Platform digital Kanban



产品APP  
Product APP



数智通APP  
Digital & Smart Factory APP



智云平台APP  
Cloud Monitoring Platform APP



数智工厂运营中心 Digital & Smart Factory Operation Center



生产执行系统 Manufacturing Execution System



智能仓储 Intelligent Warehouse



能源管理 Energy Management



# NEW ENERGY SECTOR

## 新能源板块

产品: BMS、EMS、PCS、PACK、储能柜等

适用于太阳能, 风能, 储能电池, 氢燃料电池, 市电和柴发组成的混合能源系统, 支持光储柴, 光储充, 风光储等各种能源混合配置

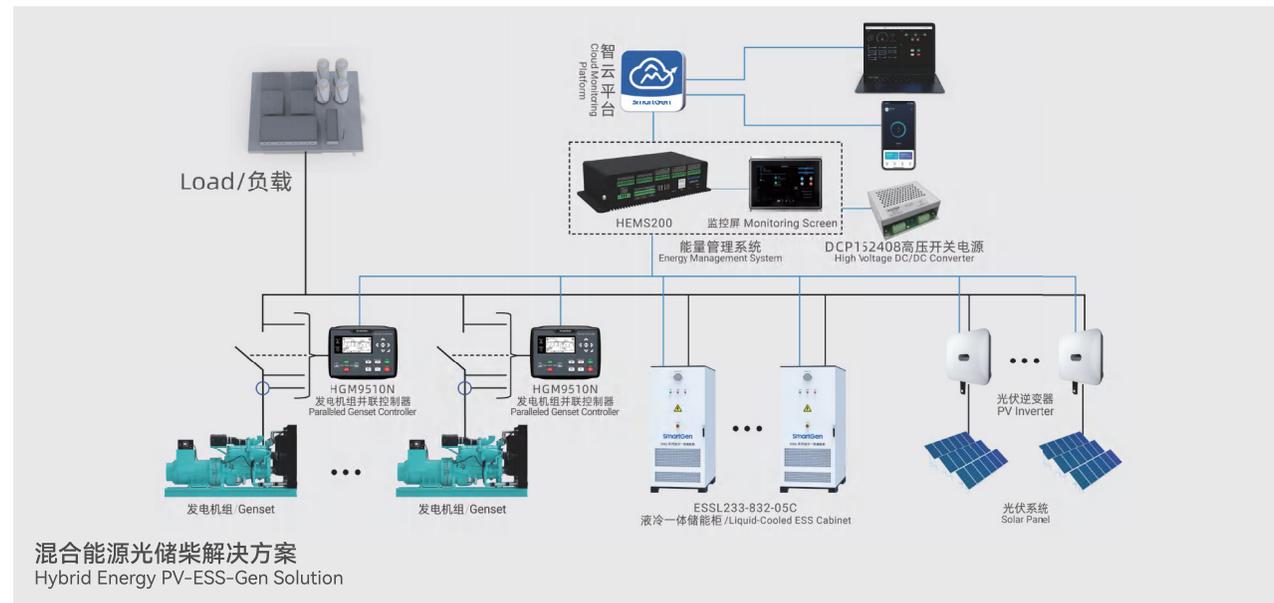
广泛应用于数据中心、矿山开采、工商储、光储充电站、医院、银行、通信基站等场合

Products: BMS, EMS, PCS, PACK, Energy Storage System (ESS) Cabinet, etc.

Applicable to hybrid energy systems composed of solar, wind, energy storage batteries, hydrogen fuel cells, grid power, and diesel gensets. It supports various hybrid energy configurations such as PV/ESS/Genset, PV/ESS/Charging Station, Wind/PV/ESS, etc.

Widely applied in scenarios including data centers, mining operations, commercial & industrial energy storage, charging stations with PV and ESS, hospitals, banks, telecom base stations, etc.

### 典型解决方案 Typical Solution



# LAND-BASED GENSET CONTROL SYSTEM

## 陆用发电机组控制系统



产品：单机自启动，AMF，多机并联，并网，灯塔控制，燃油/电加热器，充电器等  
 满足汽油、柴油、甲醇、燃气等不同类型（直流/交流/高压/低压/电控/电调/机械）发电机组的智能控制  
 广泛应用于智算中心、银行、医院、电源车、风电、电厂、通信基站、矿山开采、油气田、燃气电站等场景

Products: single genset auto-start system, AMF (Automatic Mains Failure), multi-genset parallel system, on-grid solution, lighting tower control system, fuel/electric heater, battery charger, etc.

Satisfies the intelligent control of different types of gensets (DC/AC/high voltage/low voltage/electronic control/electronic governing/mechanical), including those fueled by gasoline, diesel, methanol, gas, etc.

Widely applied in scenarios such as AI data centers, banks, hospitals, mobile power vehicles, wind power farm, power plants, communication base stations, mining operations, oil and gas fields, gas-fired power stations, etc.



HGM8510  
分体式发电机组并联控制器  
Split-Type Genset Parallel Controller



HGM9530N  
冗余发电机组并联控制器  
Redundant Parallel Genset Controller



HGM9510N-CHP  
燃气机组并联控制器  
Gas Genset Parallel Controller



HGM9420N  
增强型发电机组控制器  
Enhanced Genset Controller



HMB9700  
发电机组并联控制器  
Genset Parallel Controller



HGM8151Z  
低温国产化发电机组控制器  
Low-Temperature Genset Controller

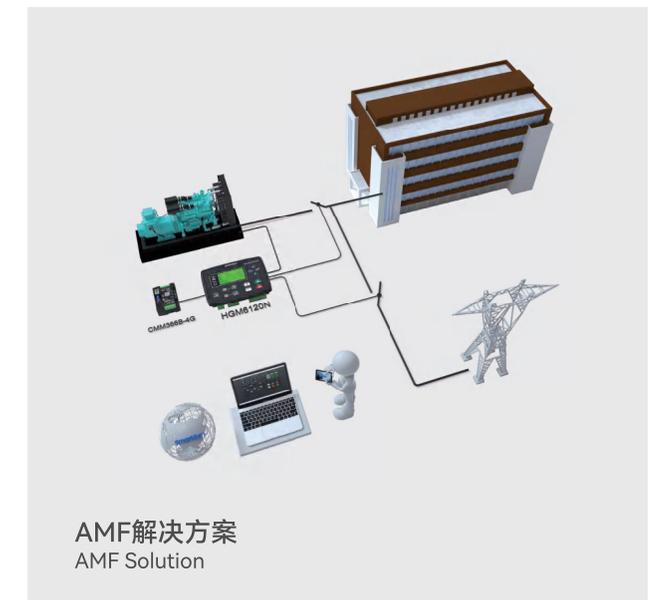
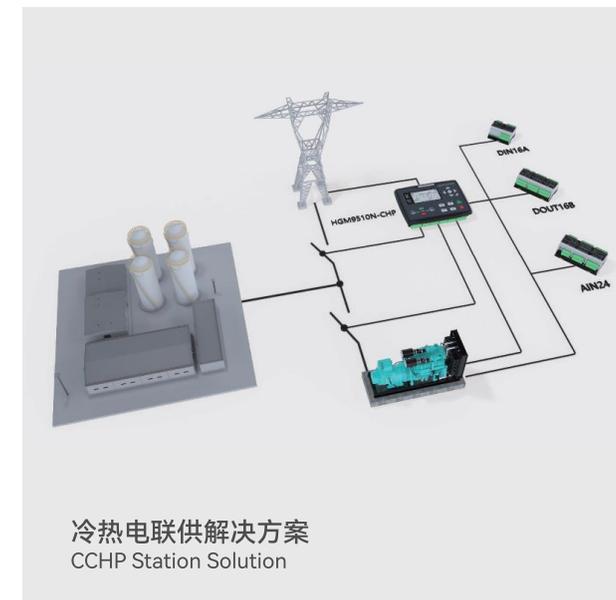
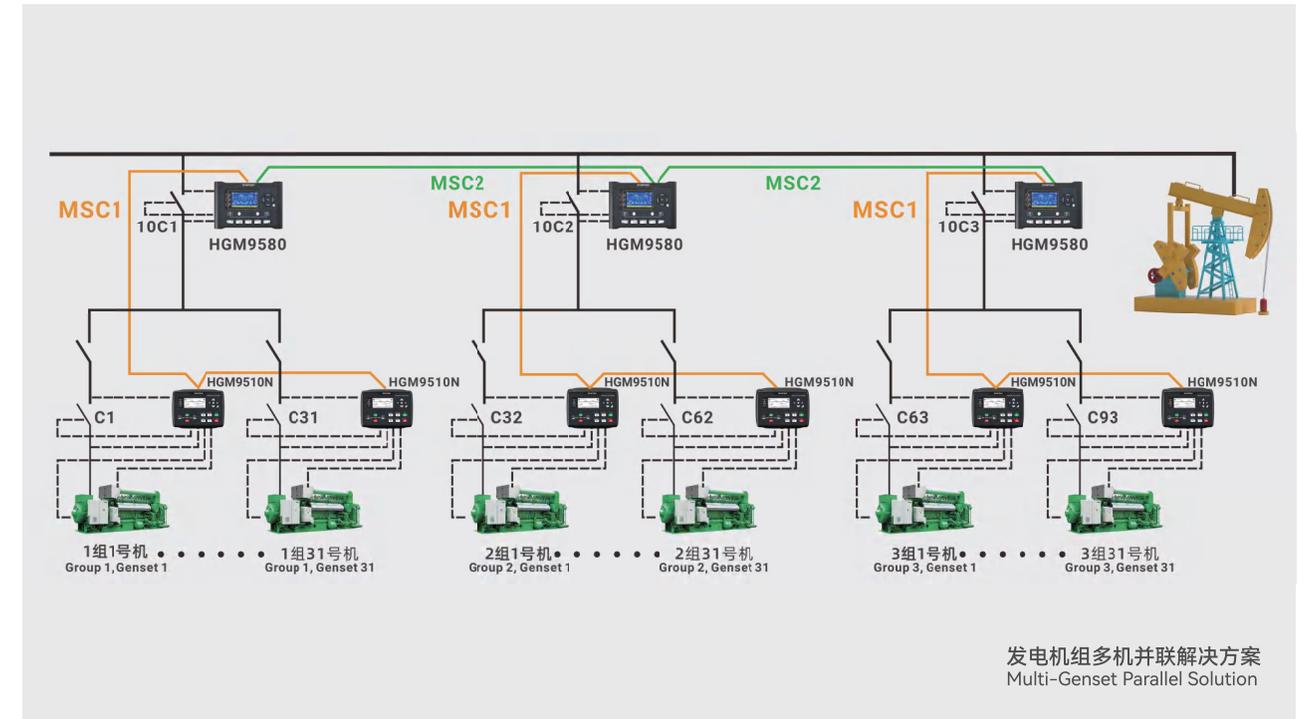


HGM6120P-4G  
发电机组控制器（一体机）  
Genset Controller (all-in-one)



HGM6120TD  
通信基站发电机组控制器  
Telecom Base Station Genset Controller

## 典型解决方案 Typical Solutions



# ENGINEERING MACHINERY CONTROL SYSTEM

## 工程机械控制系统



产品：柴驱水泵、柴驱空压机、发动机、工业遥控器、手油门等控制系统  
广泛应用于矿山开采、应急抢险、建筑建设、道路建设、农业灌溉、消防等场景

Products: diesel water pump controller, diesel compressor controller, engine controller, industrial remote control, hand throttle, etc.  
Widely used in scenarios such as mining, emergency rescue, construction, road building, agricultural irrigation, firefighting, etc.



ACC5100  
柴驱空压机控制器  
Diesel Air Compressor  
Controller



FPC2000  
柴驱消防泵控制器  
Diesel Fire Pump  
Controller



HEM4300  
工程机械控制器  
Construction Machinery  
Engine Controller



HED400  
发动机监控模块  
Engine Monitoring  
Module



HED300  
发动机CAN监控模块  
Engine Can Monitoring  
Module



ACC7200  
柴驱空压机控制器  
Diesel Air Compressor  
Controller



HEM8500  
发动机CAN监控仪  
Engine CAN Monitoring  
Controller



APC715N  
柴驱泵组控制器  
Diesel Pump Controller

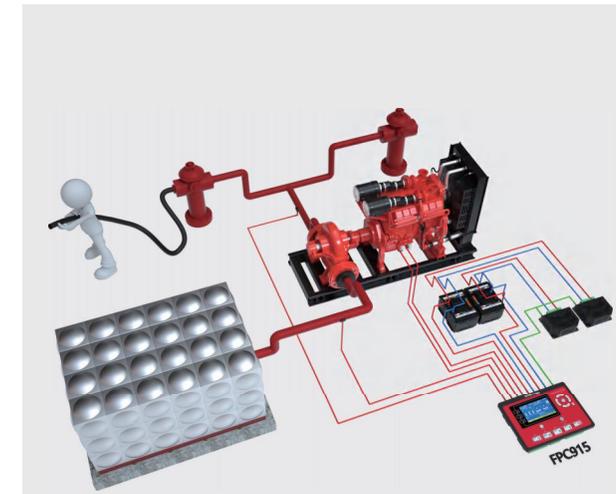


FPC915  
消防水泵机组控制器  
Fire Pump Controller

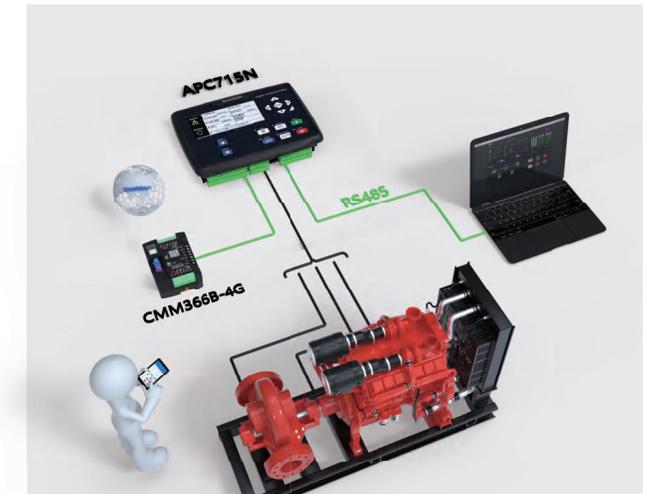


APC1700  
发动机水泵控制器  
Engine Pump  
Controller

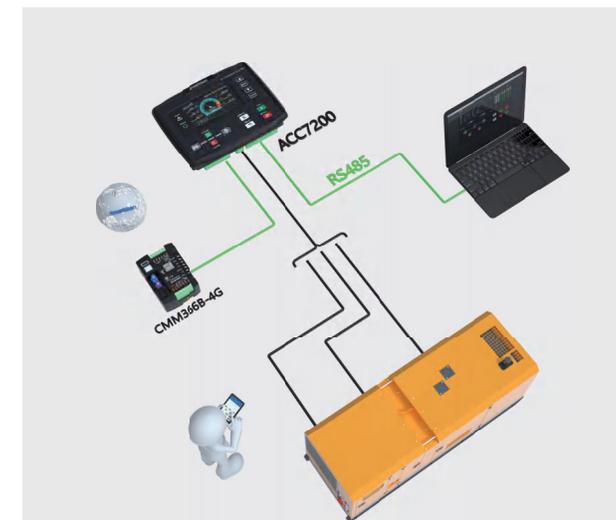
## 典型解决方案 Typical Solutions



柴驱消防水泵机组解决方案  
Diesel Fire Pump Solution



柴驱水泵机组解决方案  
Diesel Pump Solution



柴驱空压机解决方案  
Diesel Air Compressor Solution



电驱消防稳压泵解决方案  
Electric Jockey Pump Solution

# ATS CONTROL SYSTEM

## 智能切换控制系统



产品：低压/中压双电源切换、三电源切换、快速切换(15ms)、旁路切换、同步切换、两进线一母联、三进线两母联等控制器  
广泛应用于数据中心、轨道交通、智能大厦、医院、消防、通信、机场等场景

Products: low-voltage/medium-voltage dual-power ATS controller, three-power ATS controller, fast transfer (15ms) controller, bypass ATS controller, synchronous ATS controller, two-line one bus-tie controller, three-line two bus-tie controller, etc.

Widely applied in scenarios such as data centers, rail transit, smart buildings, hospitals, fire protection systems, telecommunications, airports, etc.



**HAT835**  
三电源母联智能切换控制器  
Three-Way Power Bus Tie Controller



**HAT833**  
三电源自动切换控制器  
Three-Way Synchronous ATS Controller



**HAT828**  
双电源快速切换控制器  
High Speed ATS Controller

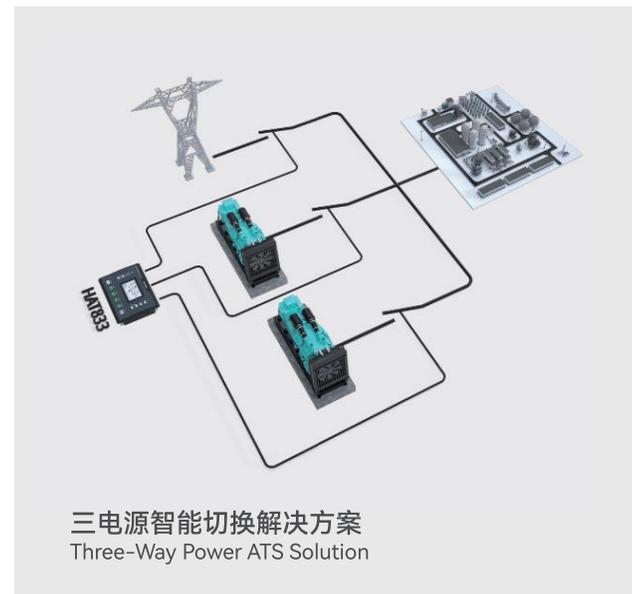


**HAT600PS**  
双电源同步切换控制器  
Dual Power Synchronous ATS Controller

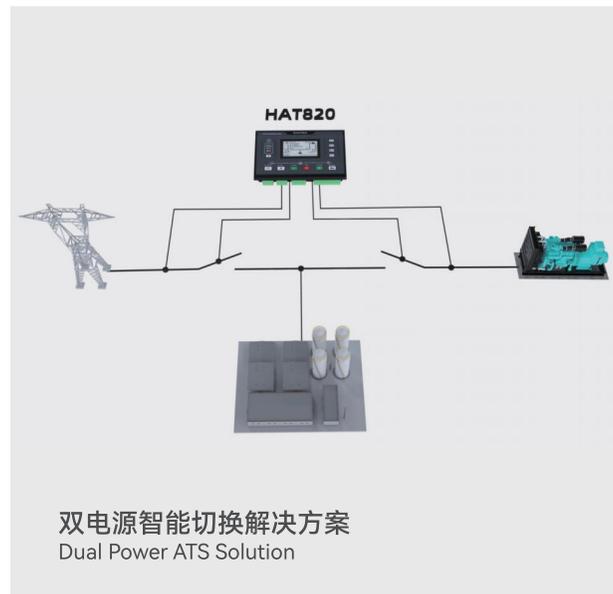


**HAT560N/NB**  
双电源自动切换控制器  
Dual Power ATS Controller

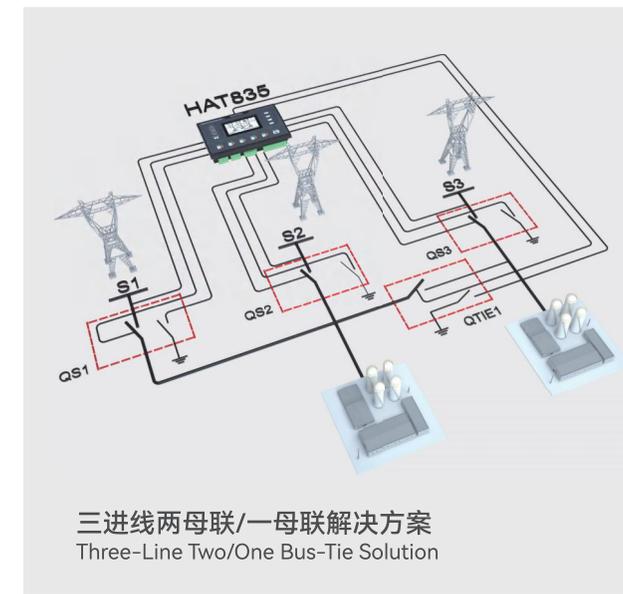
### 典型解决方案 Typical Solutions



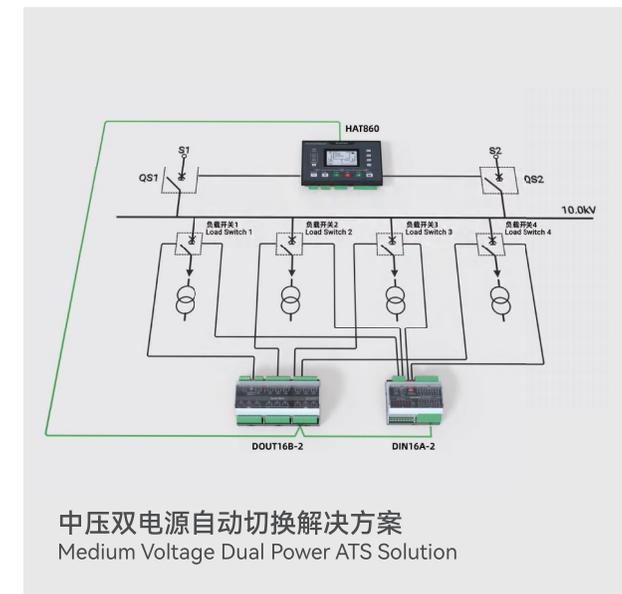
三电源智能切换解决方案  
Three-Way Power ATS Solution



双电源智能切换解决方案  
Dual Power ATS Solution



三进线两母联/一母联解决方案  
Three-Line Two/One Bus-Tie Solution



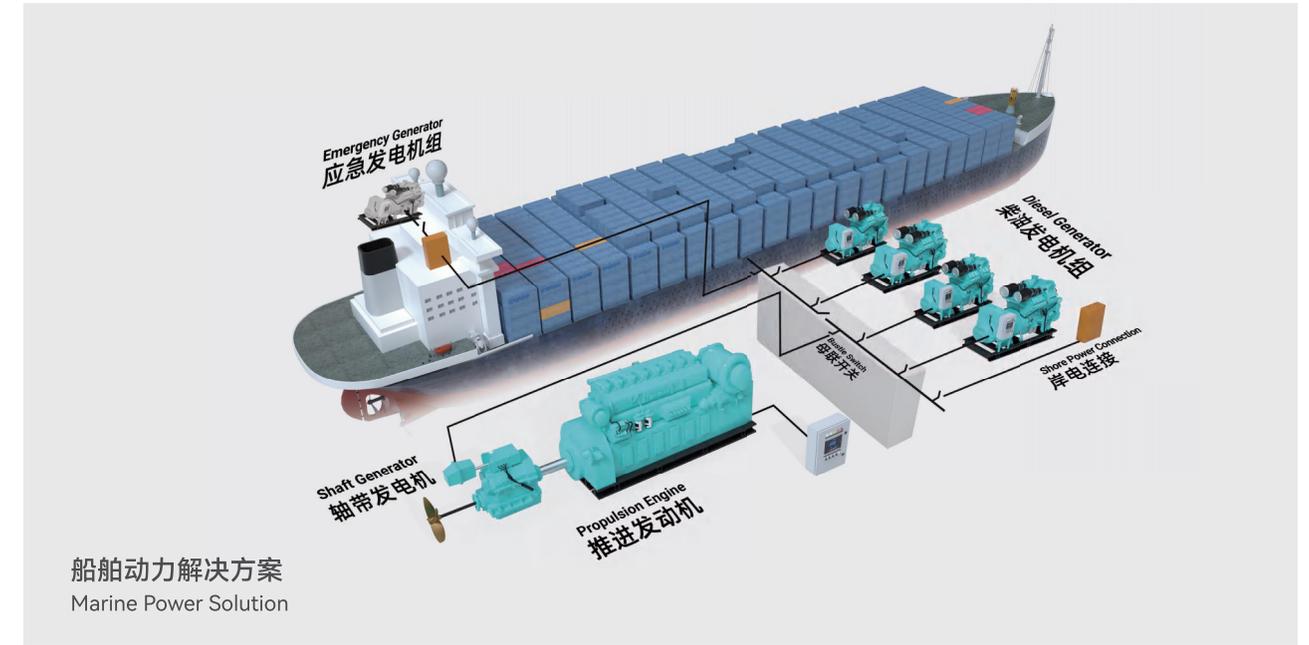
中压双电源自动切换解决方案  
Medium Voltage Dual Power ATS Solution

# SHIP AND OCEAN ENGINEERING CONTROL SYSTEM

## 船舶及海洋工程控制系统



### 典型解决方案 Typical Solutions

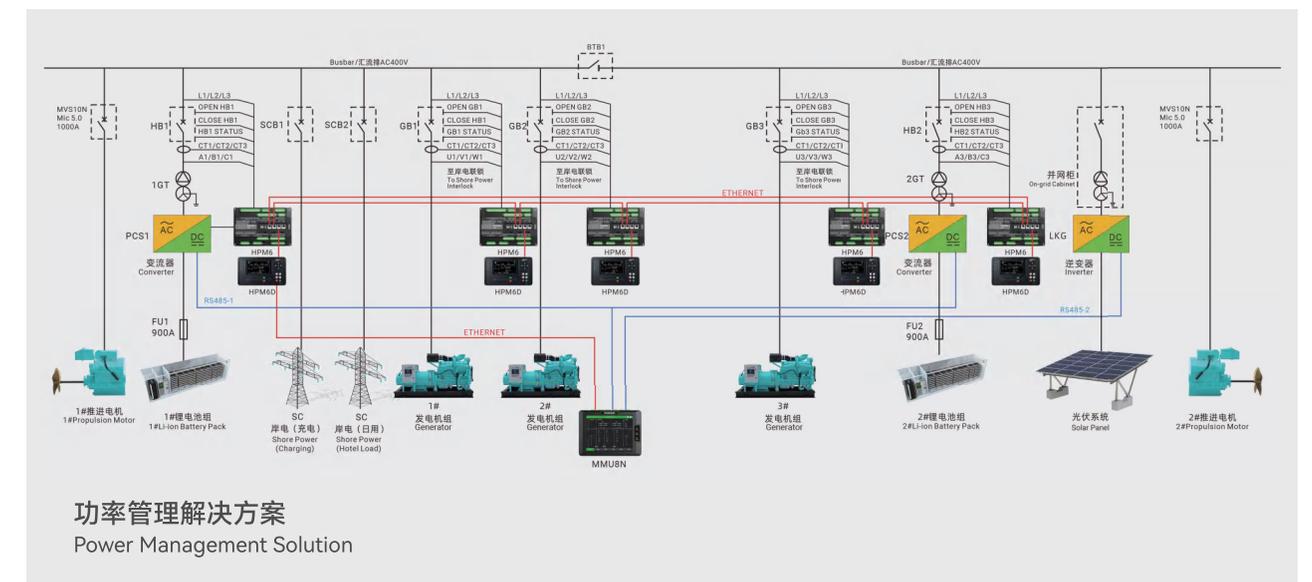


船舶动力解决方案  
Marine Power Solution

产品：船用发动机控制器、监控模块、安保模块、船用控制屏、传感器、船用配电控制模块  
 涵盖各种船用发动机（主机、辅机和应急发电机组）、中小型渔船、远洋商船、邮轮及海上作业平台等场景  
 涵盖PMS功率管理控制器、同步模块、负载均分模块、电子电位器、电量综合保护模块及逆功率保护模块等核心组件  
 Products: marine engine controller, monitoring module, redundant protection module, marine control panel, sensor, marine power distribution control module  
 Covering scenarios such as various marine engines (main engines, auxiliary engines and emergency gensets), small & medium fishing vessels, ocean-going merchant ships, cruise ships, offshore platforms, etc.  
 Covering core components including PMS power management controller, synchronization module, load sharing module, electronic potentiometer, power integrated protection module, reverse power protection module, etc.



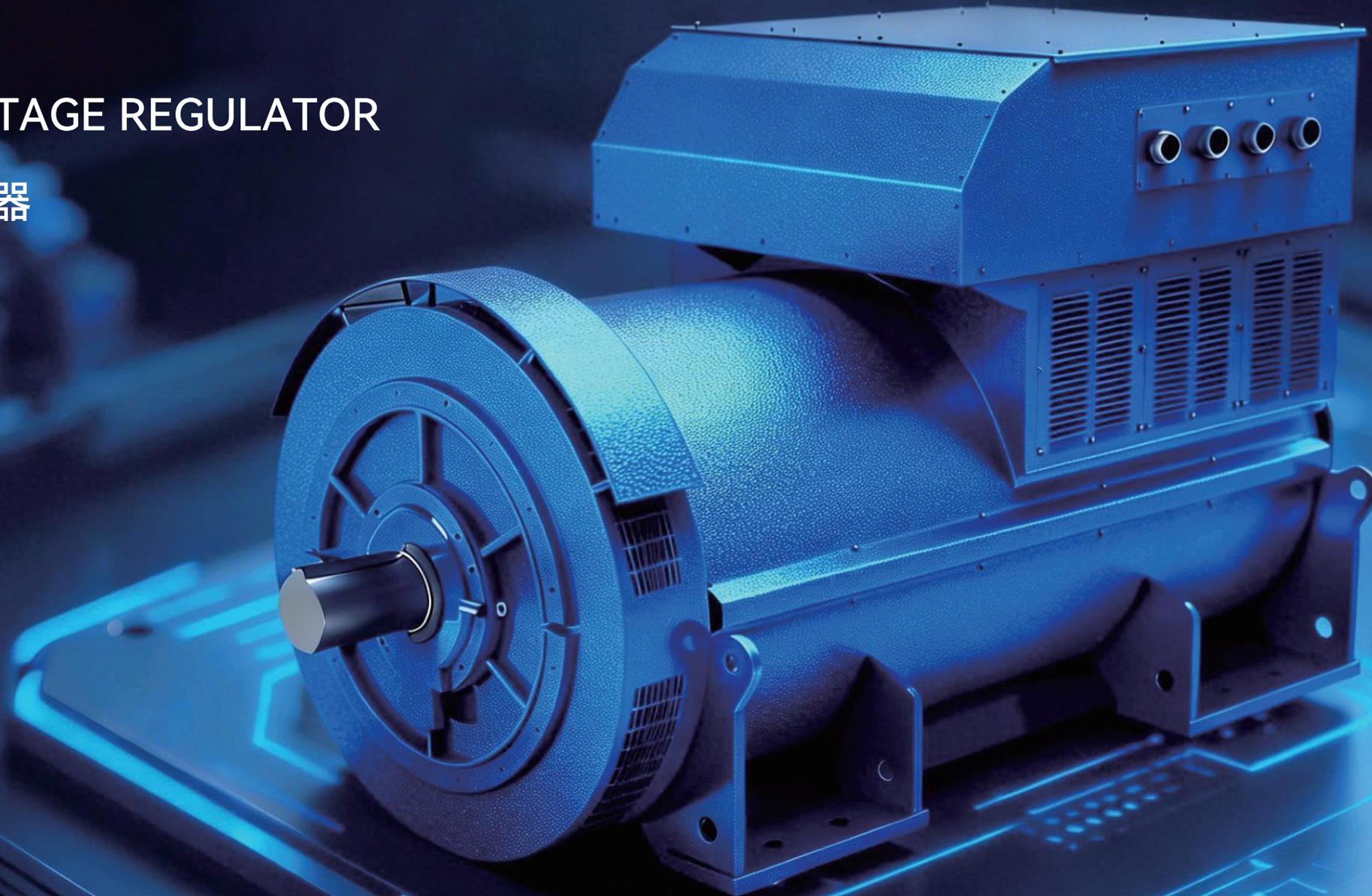
MMU8N 远程监控模块 Remote Monitoring Module  
 HMC9100A/S 增强型船用发动机控制器 Enhanced Marine Engine Controller  
 HMC9000A 船用主推、主发控制器 Marine Engine Controller (For main propulsion engine and main genset)  
 HPM6/D 功率管理控制器 Power Management Controller  
 HMC4300 游艇发动机控制器 Engine Controller for Yacht



功率管理解决方案  
Power Management Solution

# DIGITAL VOLTAGE REGULATOR

## 数字电压调节器



多种励磁调节模式：自动电压调节（AVR）、励磁电流调节（FCR）、无功功率调节（VAR）、功率因数调节(PF)  
应用于永磁励磁发电机PMG，辅助绕组励磁发电机AREP，自励磁发电机SHUNT等各种无刷交流同步发电机

Multiple excitation control modes: automatic voltage regulation (AVR), field current regulation (FCR), reactive power regulation (VAR), power factor regulation (PF)

Applicable to brushless AC synchronous alternators with various excitation systems of PMG, AREP and SHUNT



**HVR1000**  
增强型数字电压调节器  
Enhanced Digital Voltage  
Regulator



**HVR620**  
标准型数字电压调节器  
Standard Digital Voltage  
Regulator



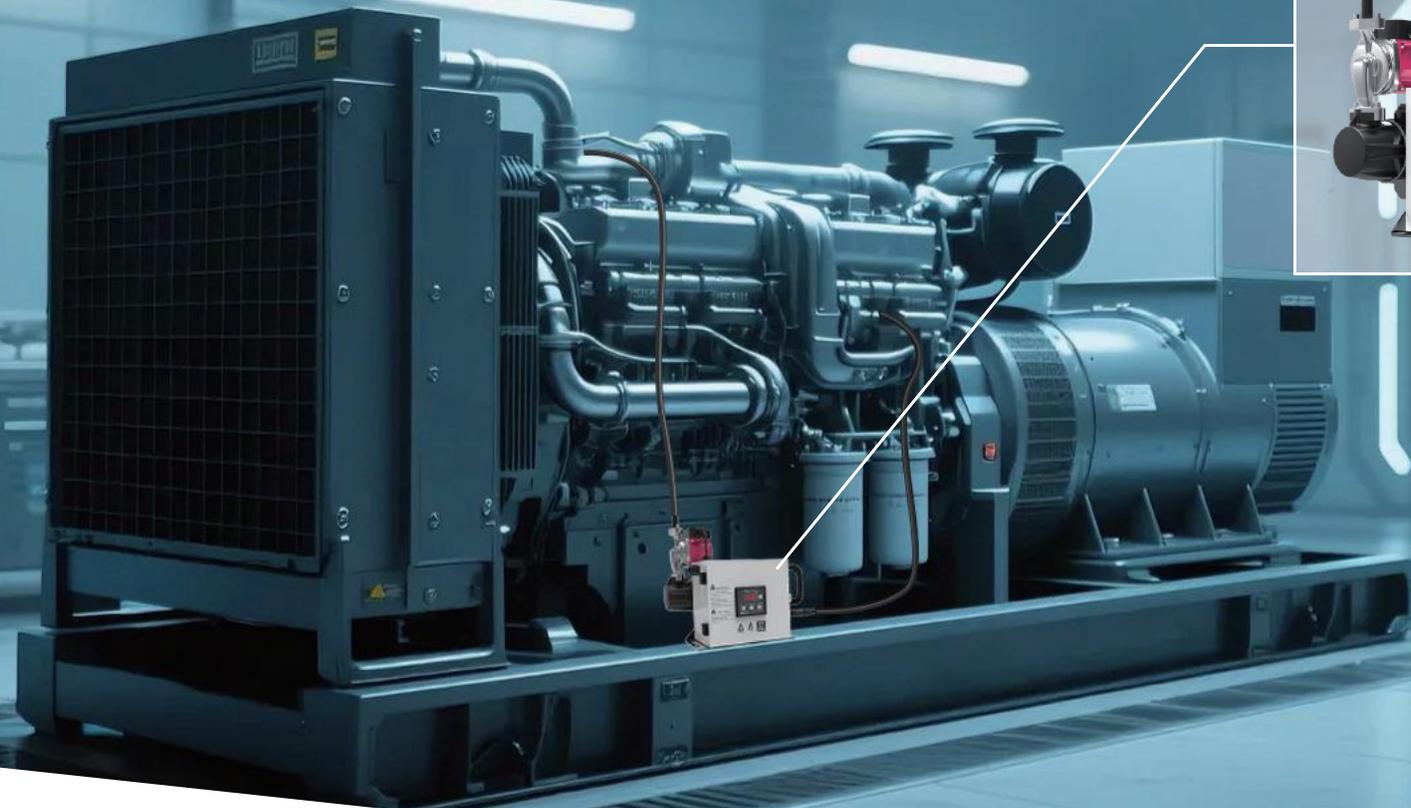
**HVR610**  
标准型数字电压调节器  
Standard Digital Voltage  
Regulator



**HVR410**  
基础型数字电压调节器  
Basic Digital Voltage  
Regulator

# ENGINE HEATERS

## 加热器系列



产品：强制循环水套加热器、自循环水套加热器、燃油加热器、机油加热器等  
适用于单相二线/三相三线/三相四线/DC12V/DC24V系统，适用于排量(0-100)L、机油体积(2-110)L的各种发动机

Products: forced circulation water-jacket heater, self-circulation water-jacket heater, fuel water heater, oil heater, etc.  
Suitable for single-phase two-wire / three-phase three-wire / three-phase four-wire / DC12V / DC24V systems, and compatible with engines of displacement (0-100)L and oil volume (2-110)L



HWP40R/60R/90R/120R  
(4-12) kW强制循环水加热器  
(4-12) kW Forced Circulation Water Heater



HWP22  
2.2kW强制循环水加热器  
2.2kW Forced Circulation Water Heater



HT40N  
4kW自循环水加热器  
4kW Self-Circulation Water Heater



HT40MB  
4kW自循环水加热器  
4kW Self-Circulation Water Heater



HT05/10/22M  
(0.5-2.2) kW自循环水加热器  
(0.5-2.2) kW Self-Circulation Water Heater



HT310/322  
(1-2.2) kW自循环水加热器  
(1-2.2) kW Self-Circulation Water Heater



HTL02A/04A  
(0.2-0.4) kW浸入式机油加热器  
(0.2-0.4) kW Immersion Lube Oil Heater



HFW50  
5kW燃油加热器  
5kW Fuel Heater

# CHARGERS, DUAL POWER ATS, MODULES

## 充电器、双电源开关、模块

充电器产品：充电箱、蓄电池充电器、DC/DC隔离电源、充电器控制器等

可选择二段式/三段式充电，可提供浮充、均充、自定义充电曲线、带通信接口（RS485、CANBUS）等产品

Charger Products: charging box, battery charger, DC/DC isolated power supply, charger controller, etc.

Supports two-stage/three-stage charging, offers float charging, equalizing charging, customizable charging curves, communication ports (RS485, CANBUS), etc.

双电源开关产品：SGQ系列、SGM系列、SGMA系列等

广泛应用于高层楼宇、医疗卫生、邮电通讯、煤矿船舶、轨道交通、消防设施等不允许断电的场景

Dual power ATS products: SGQ series, SGM series, SGMA series, etc.

Widely applied in occasions where power failure is not allowed, such as high-rise buildings, medical health, post and telecommunications, coal mine and ships, rail traffic, fire facilities, etc.

模块产品：通信模块、保护模块、I/O扩展模块、继电器模块、变压器模块等

Module products: communication module, protection module, I/O expansion module, relay module, transformer module, etc.



BCM4CAN  
充电器控制器  
Charger Controller



BACM2410  
智能型蓄电池充电器  
Smart Battery Charger



BAC06A2  
基础型蓄电池充电器  
Basic Battery Charger



BAC2402VE  
迷你型蓄电池充电器  
Mini Battery Charger



BCW20  
壁挂式蓄电池充电箱  
Wall-Mounted Battery  
Charger Box



BACM2440  
大功率蓄电池充电器  
High-Power Battery  
Charger



DCP152408  
DC/DC高压开关电源  
DC/DC High Voltage  
Switching Power



PDC2420  
DC/DC隔离电源  
DC/DC Isolated Power



SGQ系列(63A-1250A)  
励磁型双电源转换开关  
Magnetic Driven Type ATS



SGQ2-100A  
励磁型双电源转换开关  
Magnetic Driven Type ATS



SGM系列(63A-630A)  
电机型双电源转换开关  
Motor Driven Type ATS



SGMA系列(800A-3200A)  
电机型双电源转换开关  
Motor Driven Type ATS



HMP300  
电量综合保护模块  
Power Integrated  
Protection Module



SGCAN300  
CAN总线中继模块  
CANBUS Relay Module



PTM6940A  
变压器模块  
Transformer Module



SG485-2CAN  
通信接口转换模块  
Communication Interface  
Conversion Module

# CONTROL PANELS

## 控制柜



产品：自动并联、单机自动化、壁挂式、远程监控、双电源切换、柴驱水泵、柴驱空压机、消防泵组等各类控制屏  
Products: control panels for automatic parallel operation system, single genset automation system, wall-mounted system, remote monitoring system, dual-power ATS system, diesel-driven water pump system, diesel-driven air compressor system, fire pump system, etc.

适用于陆用发电机组、船用发电机组、ATS、工程机械、消防等领域，船用产品通过CCS/BV/ABS/NK/RS等各种型式认可及网络安全认证

Suitable for fields including land-based gensets, marine gensets, ATS, engineering machinery, fire protection systems, etc. Marine products are certified with type approvals and cybersecurity certifications from classification societies of CCS, BV, ABS, NK, RS, etc.

# CLOUD MONITORING

## 云监控



智云平台  
Cloud Monitoring Platform

自主开发云平台，支持公有云、私有云部署，支持定制开发

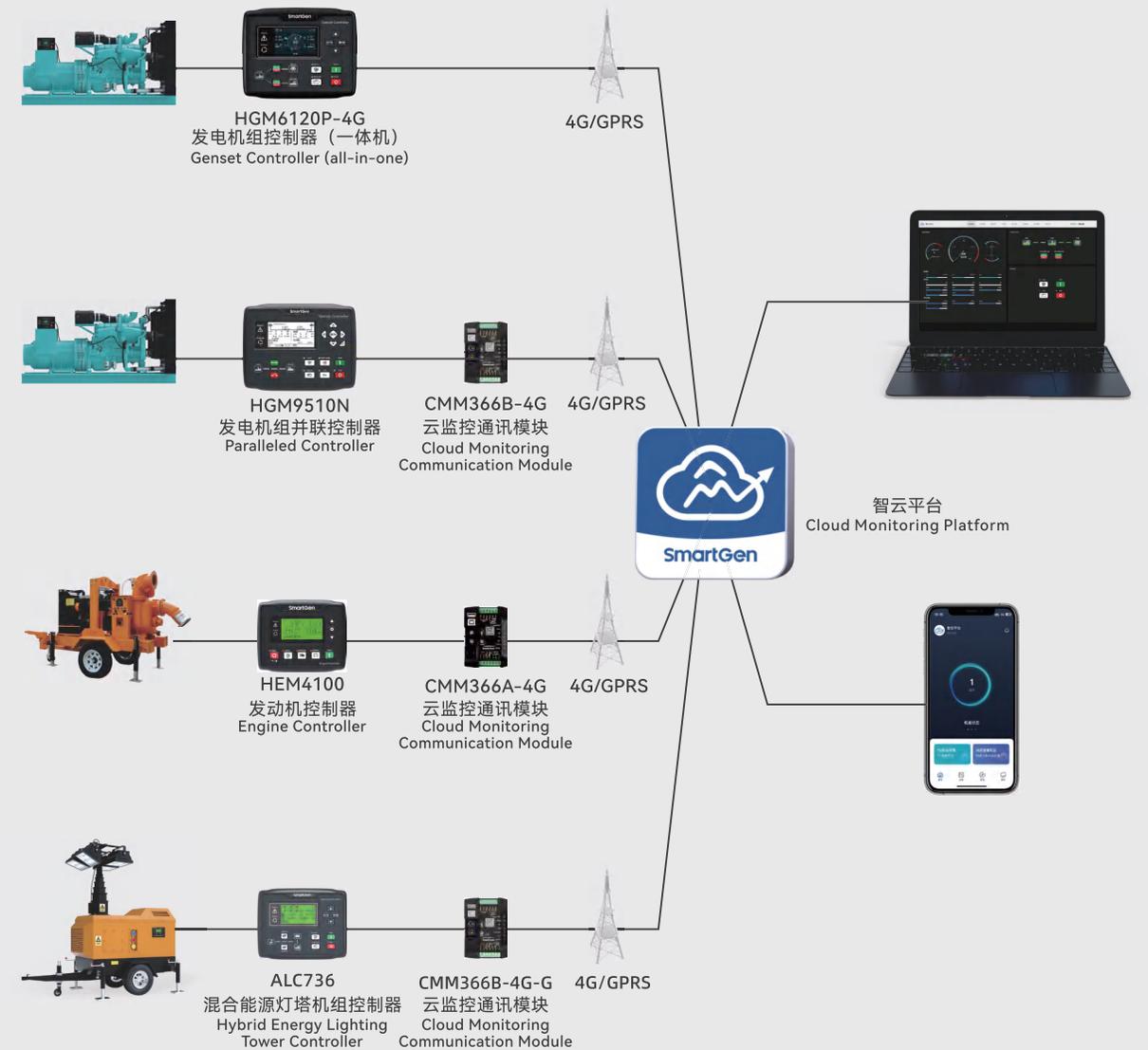
众智云监控模块通过GPRS、网线、WiFi等方式连接到SmartGen云服务器，实现远程监控  
支持手机（Andriod、iOS、HarmonyOS）版、网页版、电脑版三种客户端

Self-developed cloud platform, supporting both public and private cloud deployment, and customizable development options

The SmartGen cloud monitoring module connects to SmartGen cloud servers via GPRS, Ethernet, or WiFi to realize remote monitoring

Compatible with three client types: mobile (Android, iOS, HarmonyOS), web browser, and desktop PC versions

### 云监控解决方案 Cloud Monitoring Solution



# APPLICATION CASES

## 应用案例

### 新能源/NEW ENERGY



某工厂削峰填谷、绿电消纳及柔性扩容并机运行的应用  
Application in a certain factory for peak load shifting, green energy consumption, and flexible capacity expansion with parallel operation



混合能源管理系统在光储柴微电网系统的应用  
Application of hybrid energy management system in microgrid system with PV, ESS and diesel genset  
100kWh储能柜削峰填谷应用 Peak load shifting application of 100kWh ESS cabinet

### 陆用发电机组/LAND-BASED GENSET



冷热电联供系统 CCHP system  
应急电源车 Emergency power supply vehicle  
8台机组并联及远程控制系统  
Parallel operation remote monitoring system for 8 gensets

### 工程机械/ENGINEERING MACHINERY



空压机控制系统应用 Application of air compressor control system  
消防水泵控制系统应用 Application of fire pump control system  
牙轮钻机控制系统应用 Application of rotary drill rig control system

### SHIP AND OCEAN ENGINEERING/船舶及海洋工程



HMC6功率管理控制器在散货船上的应用 Application of HMC6 power management controller in bulk carriers  
海上升压站应急发电机组及应急母排控制应用 Emergency genset and emergency busbar control application for offshore booster station  
HPM6控制器在海洋牧场网箱养殖上的应用 Application of HPM6 controller in marine ranch cage aquaculture

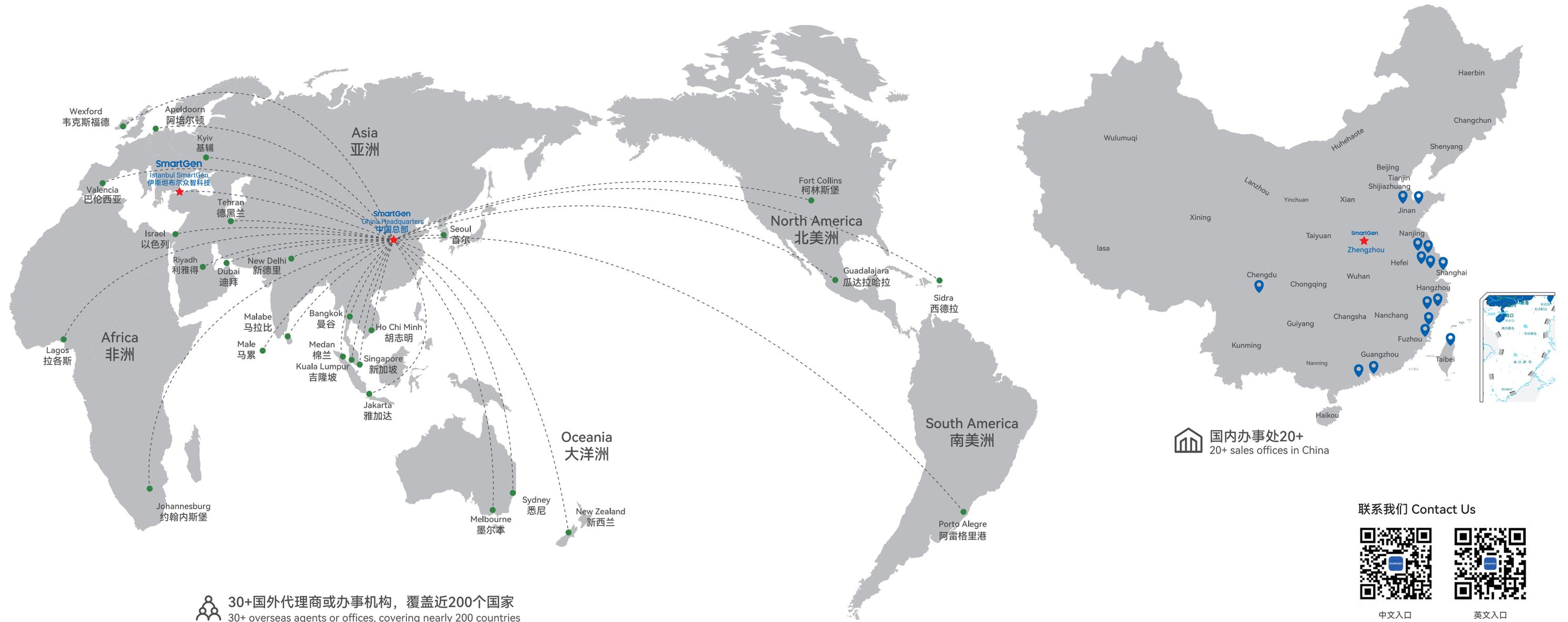
### ATS CONTROL/智能切换



HAT821两进线一母联在亚运会羽毛球馆的应用 HAT821 Two-line one bus-tie solution for Asian Games badminton hall application  
HAT821S两进线一母联在机场的应用 HAT821S Two-line one bus-tie solution for airport application  
HAT835三进线一母联在光伏电站的应用 HAT835 Three-line one bus-tie solution for PV power plant application

# INTERNATIONAL SALES NETWORK

## 国际销售服务网络



30+ 国外代理商或办事机构，覆盖近200个国家  
30+ overseas agents or offices, covering nearly 200 countries

# PARTNER

## 合作伙伴



# SUSTAINABLE DEVELOPMENT

## 可持续发展

### 环境 ENVIRONMENTAL

园区内设置风光柴储充系统，搭建了产品的长期测试系统，实现了低碳园区，取得了绿色工厂资质

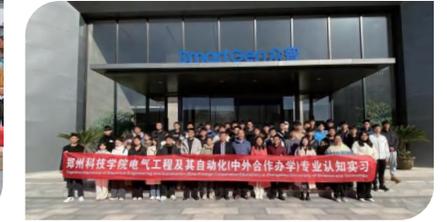
A hybrid power system with wind, PV, diesel genset, ESS cabinet and charging station has been installed in the factory. A long-term testing system for products has been established inside the factory. It becomes a low-carbon factory and has obtained the green factory certification



### 社会 SOCIAL

日常公益活动、校企合作、员工关爱、企业间的对标帮扶等，回报社会、回报股东、回报员工

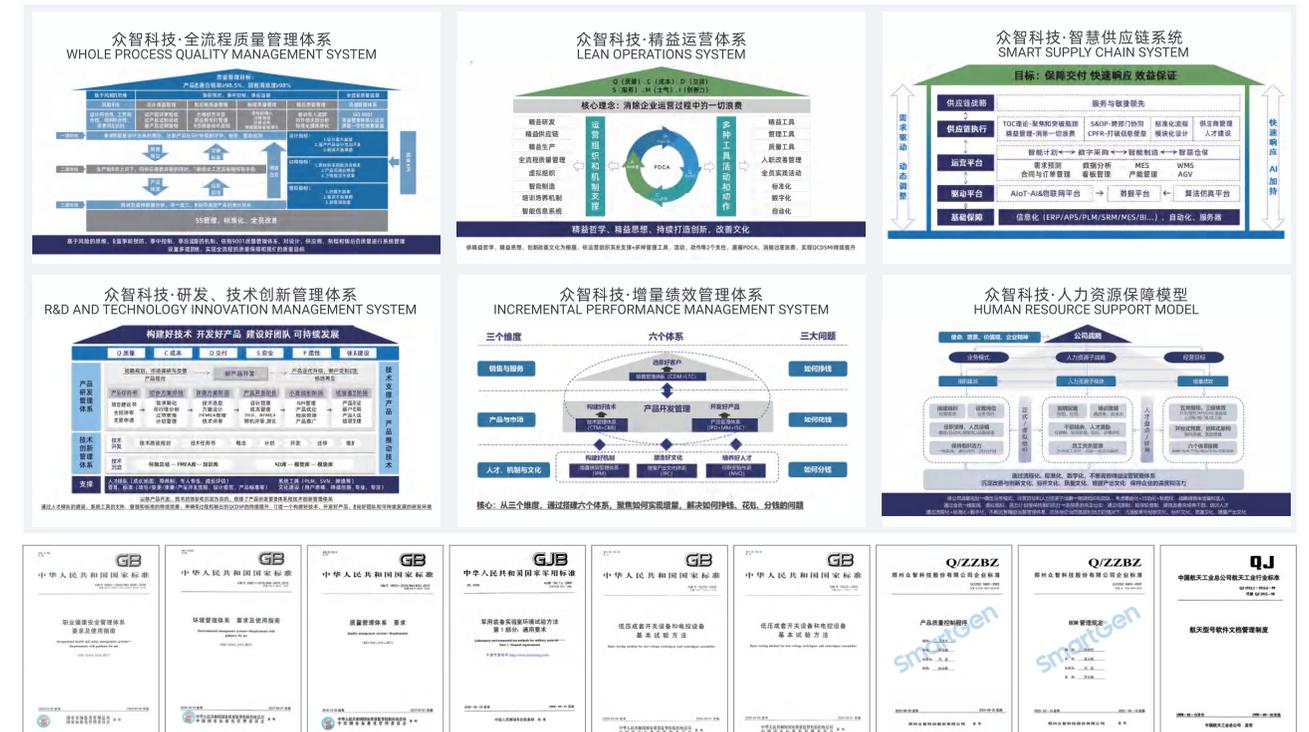
Through daily public service activities, university-enterprise collaborations, employee care projects, and assistance program among enterprises, we continue to return society, shareholders and employees



### 公司治理 GOVERNANCE

通过持续的体系建设，降本增效，实现精益运营，可持续发展

Through continuous system development, cost reduction and efficiency improvement, we achieve lean operations and sustainable development



# BRAND CULTURE

## 品牌文化

### 使命 MISSION

让控制更智能! Making Control Smarter!

### 愿景 VISION

缔造百年众智, 做合作伙伴最值得信赖的品牌! Building a Century-Old SmartGen, Being the Most Trusted Brand for Partner!

### 价值观 VALUES

创新、专注、精益求精; 诚信、担当、合作共赢。 Innovation, Focus, Lean-Better; Integrity, Responsibility, Win-Win.

### 精神 SPIRIT

自强不息, 众智成城。 Continuous Improvement, Teamwork Creates Value.

## 商标 Trademark

# SmartGen<sup>®</sup>

### Smart

灵巧的、智能的、聪明的

'Smart' means ingenious, intelligent and clever.

### Gen

发电机组genset的缩写

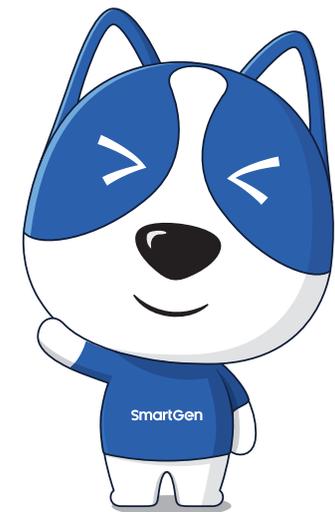
'Gen' is the abbreviation of genset.

## IP形象 Intellectual Property Image

Please call me 'Smart'.

以边牧犬为原型, 寓意聪明、灵巧、智能, 同时对应众智英文商标“SmartGen”, 相得益彰。

Based on the characteristics of border collie, as it is clever, skillful, and intelligent, the name Smart represents these features and corresponds to the English trademark "SmartGen".



# CORNERS OF SMARTGEN

## 公司一隅

