



EBARA DENSAN (QINGDAO) TECHNOLOGY CO., LTD.

荏原电产（青岛）科技有限公司

■ **Electrical Control Panel Manufacturer**

(Custom Control Panels, PLC Control Panels, Variable Frequency Drives, Protection & Control, Custom Switchgears, Power Distribution Units, Portable Power Distribution Stations)

■ **Environmental Automation Engineering**

(Waste Incineration Control Systems, Water Treatment Control Systems, Industrial Automation & MES System)

■ **Industrial IoT Products & Solutions**

(Intelligent Controller, Industrial IoT Platforms, Intelligent Manufacturing & MES)





GOOD TO THE EARTH,
BEGIN FROM EBARA

EDQ CORPORATE PROFILE

Ebara Densan (Qingdao) Technology Co., Ltd was founded in 2006 and is a 100% subsidiary of Ebara Corporation (Established in 1912) in Japan. It focuses on designing and manufacturing intelligent electrical control panels, provides automation and intelligence solutions for rapidly growing industries locally and abroad, and aims to elevate domestic manufacturing industries to a higher level of intelligence, delicacy, and quality. At EDQ, we're passionate about electricity's transformative power and are committed to delivering reliable electrical solutions that help customers manage power more efficiently, safely and sustainably by enclosures. EDQ provides expert electrical services to affordably upgrade manufacturing or industrial processes with a commitment to quality and customer satisfaction.

We proudly call EDQ our home in the Cheng Yang area of Qingdao Industry Park, covering a vast area of 11000 square meters, including a spacious building area of 5000 square meters. Our team of 237 employees comprises exceptional individuals, including 3 PhDs, 6 Masters, four overseas returnees, and 19 employees holding technical titles on an intermediate or advanced level. Our workforce boasts an impressive 39.4% of employees with bachelor's degrees or higher, and their average age of 36 years reflects our focus on cultivating young and dynamic talent. Our team is the backbone of our vision to become the embodiment of excellence in automatic control equipment and system integration. Our enthusiasm and optimism for the future of Ebara Densan are unwavering, and we look forward to serving our clients with the utmost dedication and professionalism.

In 2011, our company was recognized as a "high-tech enterprise" nationally. Since then, we have established a technical centre in Qingdao and formed collaborative relationships with several universities, such as Ocean University of China, Qingdao University of Petroleum, Shandong University of Science and Technology, and Qingdao University. We have also built a waste incineration image identification expert station and a digitalized workshop as part of our efforts. Over the years, we have made significant strides in research and development, acquiring nine national invention patents, ten utility model patents, and four design patents. In addition, we have obtained 52 software copyrights and one district technology advancement prize. These achievements have been recognized as new technology breakthroughs in our city and are a testament to our commitment to innovation.

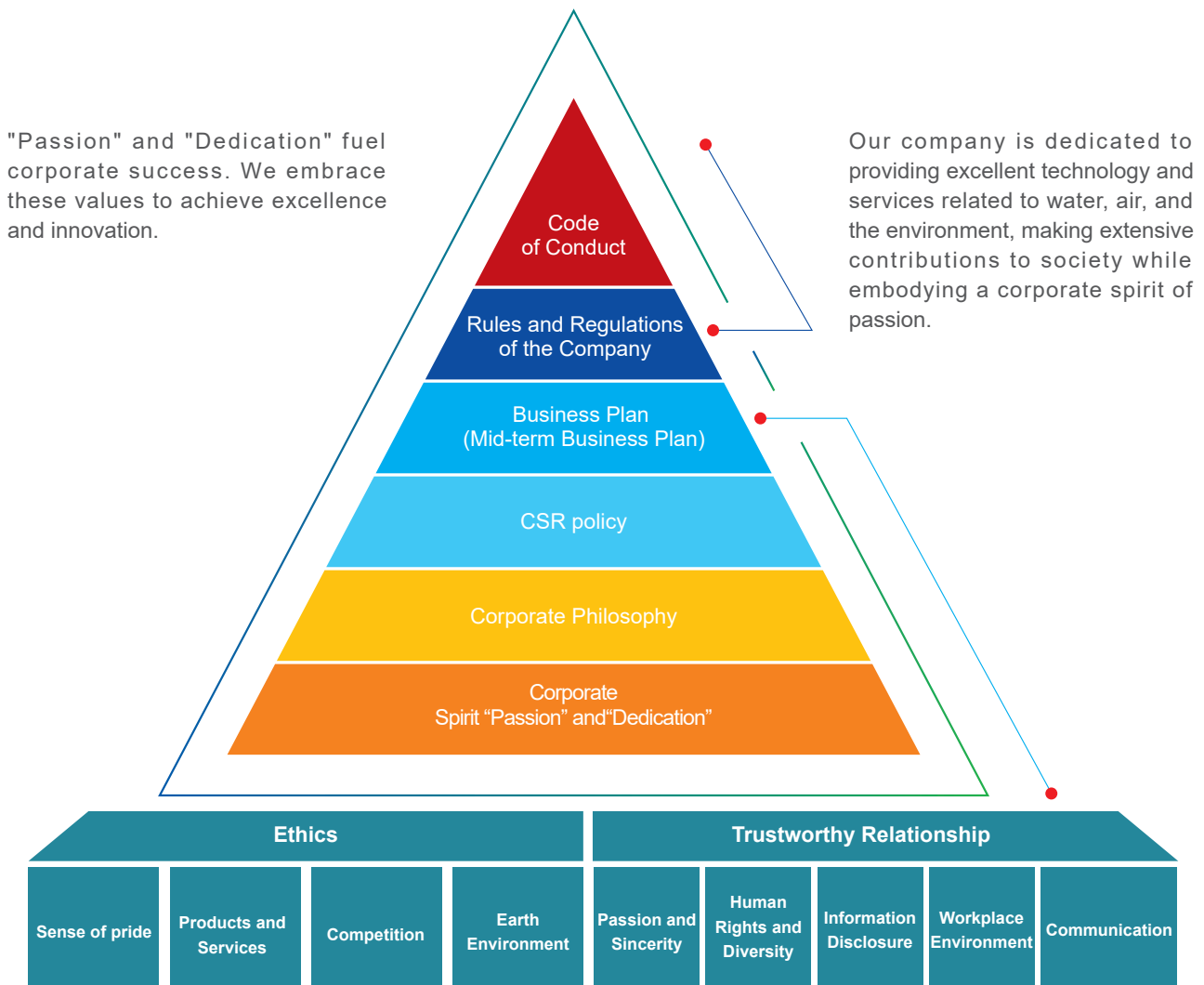
We are proud to say that we have developed into a technical company covering the electronics, electrical, automation, and software industries, becoming the leader in Shandong and the Yangtze River Delta area. Our company prioritizes "customer orientation" and aims to provide value through more thoughtful, efficient, and dependable products and services. We strive to build lasting customer relationships based on trust and mutual collaboration.

Looking ahead, going beyond expectations

Ahead Beyond

At our core, we firmly believe in constantly pushing forward and exceeding expectations. We know that true success is only achieved by going "Ahead and Beyond" what is expected, and that is why we strive to do just that in everything we do. "Ahead" means "one step ahead of others", and "Beyond" means "surpass all the competitors". As the core enterprise leading the industry, we have promised our customers that Ebara Corporation has always been focused on the forefront of this time to provide products and solutions beyond clients' expectations and imagination. Our corporate spirit is never satisfied with the present, and we always strive for a higher objective. We call it "Ahead, Beyond."

The comma that connects "Ahead" and "Beyond" is designed as an image that is indomitable and dynamic to present a corporate spirit of courage and the will to reform; the colour of crimson represents passion and the "connection" with the customers. The refreshing blue for the texts represents the "intellectuality" of diversified collaboration and the vibrant spirit for upcoming challenges.



Manufacturing Capacity

Ebara Densan (Qingdao) Technology Co., Ltd. owns a professional electric cabinet assembly factory of 3000m² that provides OEM and ODM services to customers domestically and abroad. Our factory meets the requirements of mass production for various electric cabinets and the special needs of different customers in small batches. We strictly follow the standards of ISO9001 quality management system to ensure quality, timely delivery, and cost-effectiveness.

In 2016 the company implemented a self-developed E-MES manufacturing execution information system in its workshop. As a result, it was awarded the first batch of "Digital Workshop" titles in Qingdao in 2017. This recognition ensured the company could continuously enhance its lean production management capabilities for electrical equipment in an information-driven environment.



Standard Products Workshop



Customized Products Workshop



Coating Inspection



Standard Wiring



Screw Fastening Marking



Simulated Functional Testing

Standard Panel

Ebara Densan (Qingdao) Technology Co., Ltd. specializes in manufacturing standard electrical control panels. It is one of our core businesses, and we are proud to have a large-scale production capacity of 40000 units (sets) per year. Additionally, we offer OEM/ODM services for control panel design and manufacturing in various industries.

EPC



F3100



Boilers Control Panel (Oil & Gas)
 Main Models: BM, S- bcs, E- istoker

IAUE



Control Panels for Water Supply and Drainage Pumps
 Main Models: F3100, IACE, EPC, EPM

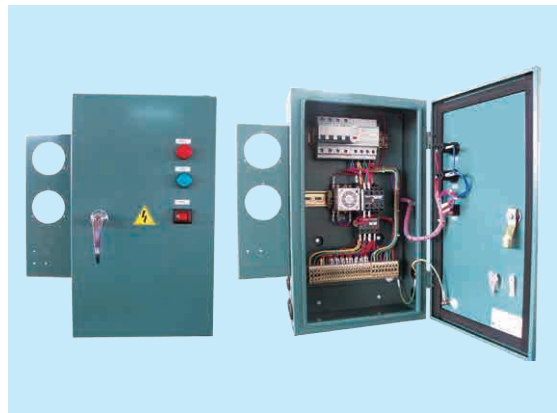
Hot Spring Water Pump Control Panel
 Main Models: E - HWPC



Sewage Treatment Control Panel



Sewage Drainage Control Panel



Refrigeration and Freezing OEM Control Box



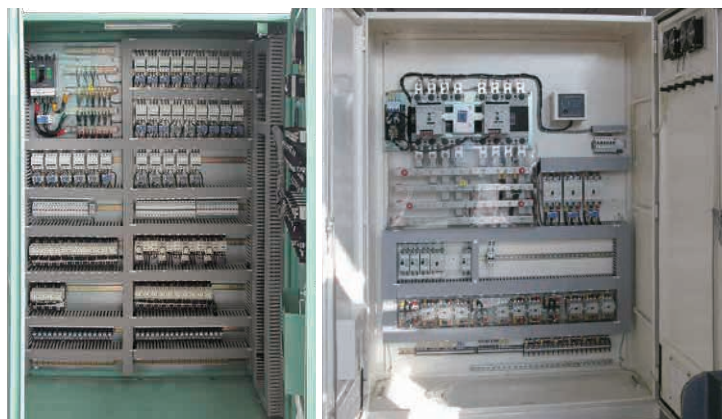
Traffic Monitoring OEM Control Panel

Non-standard Customized Panel

The company specializes in creating custom panels tailored to meet its customers' specific needs. It has established strong domestic and international partnerships with leading electrical manufacturers, including Schneider, Siemens, Mitsubishi, ABB, Fuji, and Omron. This enables the company to offer its clients high-quality, cost-effective cabinet products.



Batch and Large- Scale Production of Electrical Panel Cabinets



MCC Cabinet



PLC Control Cabinet



Variable Frequency Cabinet



EX- Explosion Proof Cabinet



Operation Box



Operation Panel

High and Low Voltage Switchgear

The company has obtained relevant domestic 3C certifications for XL cabinets, GGD cabinets, and MNS cabinets, as well as type test reports for KYN28 cabinets. Our experienced team can craft and deliver a diverse range of cabinet sets tailored to match our valued customers' unique preferences. We pride ourselves on providing high-quality designs that are both functional and stylish. We'd like to help you bring your dream cabinets to life.



MNS Cabinet ($I_n \leq 4000A$)



MNS Cabinet ($I_n \leq 4000A$)



GGD Cabinet ($I_n \leq 1600A$)



XL Cabinet ($I_n \leq 400A$)



KYN28-12 (10KV Withdrawable Switchgear)



XGN-10 (10KV Fixed Type Switchgear)

Waste Incineration Control System

Ebara Densan (Qingdao) Technology Co., Ltd. has a strong focus on developing waste incineration technologies and has accumulated a vast amount of industry experience. We strive to combine practical domestic requirements with advanced technologies from Japan, to create an all-in-one solution for waste incineration. Our intelligent and complete workflow processing system is designed to achieve the highest standards both at home and abroad.



Core Technologies

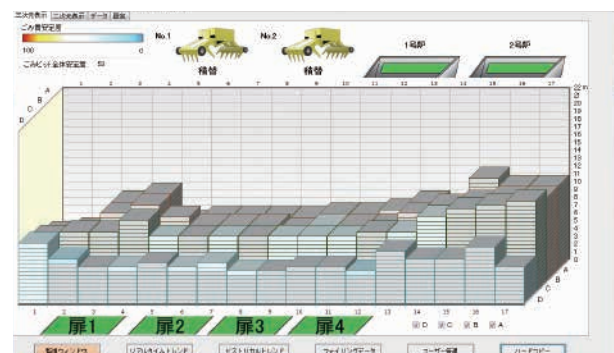
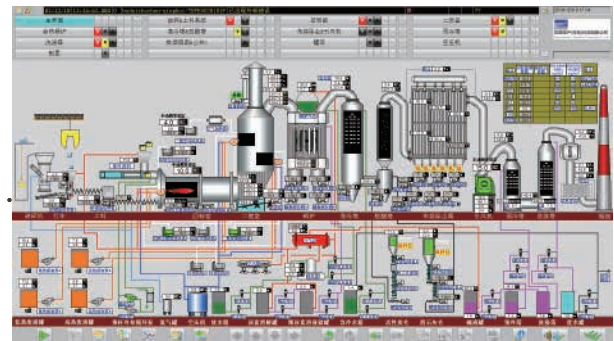
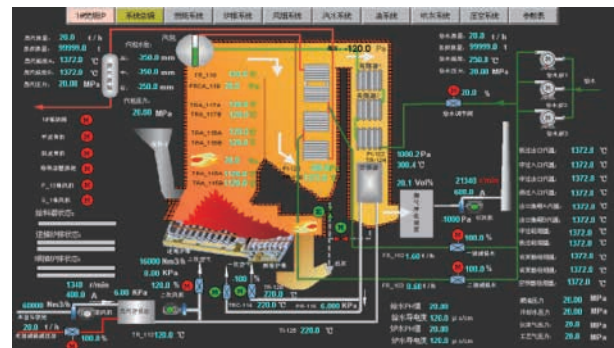
- Whole Plant DCS System
- ACC Combustion Control System
- Image Processing Control System
- Garbage Management System
- Flue gas treatment control system (SNCR, PNCR)
- Temperature Field Distribution System
- Remote Monitoring and Operation Management System

Service Scope

- Household Waste Incineration
- Solid Waste and Hazardous Waste Incineration
- Biomass Power Generation

Finished Projects (China)

- Huhehaote Waste Incineration Power Plant
- Taiyuan Household Waste Incineration Power Plant
- Zhangzhou Household Waste Incineration Power Plant
- Xiamen Household Waste Incineration Power Plant
- Shanghai Household Waste Incineration Power Plant
- Zibo Hazardous Waste Treatment Center
- Rugao Biomass Power Generation
- Nanchong Hazardous Waste Integrative Treatment Project Phase 2
- Songyang Clean Solid Waste Disposal Project
- Shenyang Renewable Resource Industry Park Dangerous Waste Treatment Project
- Wenzhou Hazardous Waste Incineration Project
- Liaoning Boxiang Hazardous Waste Incineration Project



Industrial Water Treatment Control System

We at Ebara Densan (Qingdao) Technology Co., Ltd. are passionate about our mission to protect our water environment and promote environmental sustainability. Drawing on our extensive experience from Japan, we specialize in providing comprehensive automation design, manufacturing, implementation, and after-sales services in the water industry. With an impressive track record of over 100 successful water industry and equipment matching projects, we proudly offer our customers convenient, one-stop automatic solutions. Join us in our commitment to a cleaner, greener future!



Core Technologies

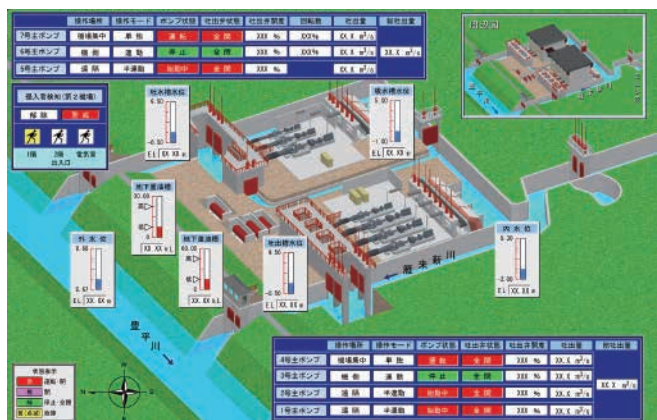
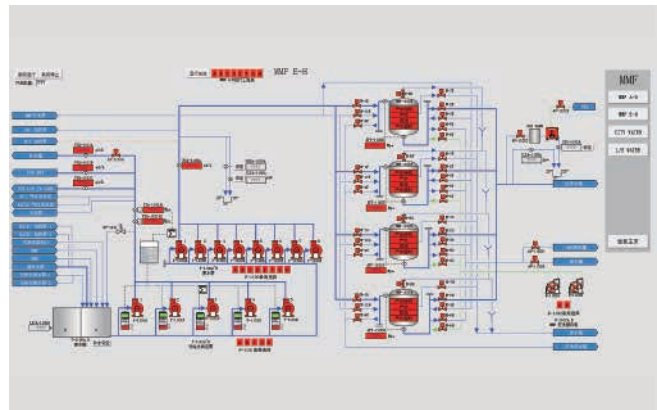
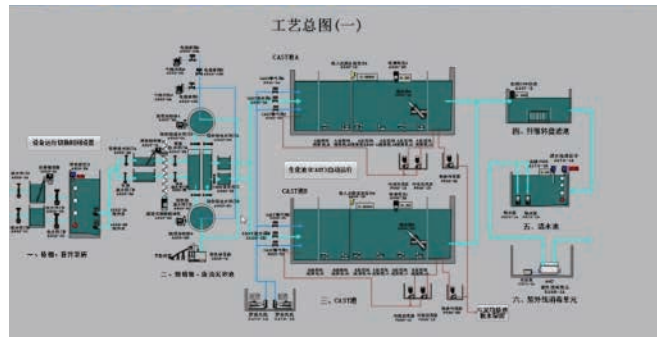
- Sewage Water Automation Control System
- Pure Water and Ultra-Pure Water Automation & Control System
- Water Management Software Platform
- Water Treatment Plant Remote Monitoring & Operational Management System

Service Scope

- Industrial Waste Water/Pure Water/Ultra-Pure Water
- Municipal Waste Water
- Water Recycling
- Water Pump Station

Finished Projects (China)

- Hefei Changxin 12 Inch Wafer Ultra-Pure Water Project
- Hefei Jinghe Ultra-Pure Water Project
- Zhengzhou Foxconn Wastewater Project
- Huawei Tesla Wastewater Project
- Huawei Jinqiao Haiyang Wastewater Project
- Inner Mongolia Jinlian Power Plant Water Project
- Shanghai Shenhe Thermo-Magnetism Waste Water Project
- Tianjin Donghai Carbon Pure Water Project
- Jingzhou Andaomai Wastewater Treatment Project
- Qingdao Hangzhouzhi Road Pump Station Project
- South Water To North Sihong Pump Station Project
- South Water To North Two-Stage Dam Pump Station Project



FMC & Information System

We are thrilled to offer our top-of-the-line factory monitoring systems, designed to provide comprehensive lifecycle management for businesses while enhancing equipment efficiency. Our independent factory information solutions are also available. Our systems bring together low-level industrial site control, production command and scheduling management, and energy management systems, ensuring seamless data exchange and application integration. You can trust our secure and efficient systems to help your enterprise thrive.



Core Technologies

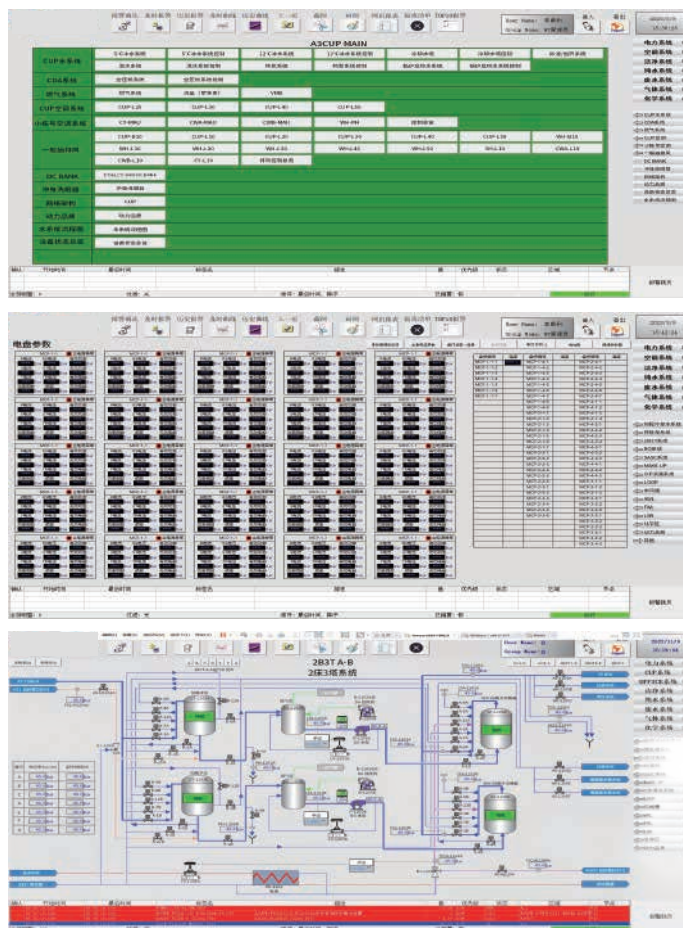
- Factory FMCS System
- Factory Informationization System

Service Scope

- Semiconductor Manufacturing Enterprises
- Electronic Product Processing Enterprises

Finished Projects

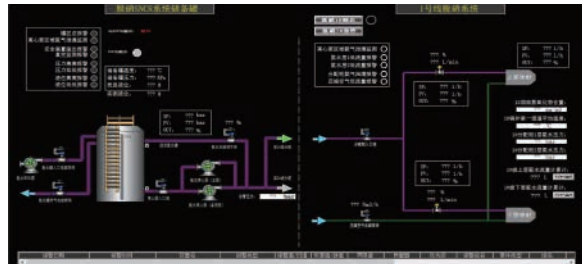
- SMIC Integrated Circuit
- Hefei Jinghe Integrated Circuit
- Qingdao London Durex
- Qingdao Haier Carrier Refrigeration Equipment
- Federal-Mogul (Qingdao) Piston
- Murata New Energy (Wuxi)



Others

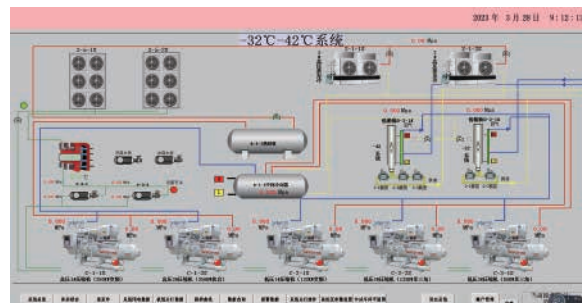
Fuel Gas treatment Control System

We are thrilled to have developed a revolutionary system that caters to the specific needs of our customers to control smoke and exhaust gas treatment. Our system effectively eliminates harmful components and performs environmental protection treatment on various industrial smoke and exhaust gases. With our extensive SNCR and PNCR flue gas denitrification expertise, we are confident in providing top-notch solutions for waste incineration power plants. Our comprehensive solutions cover everything from control and management to statistics and analysis of smoke and exhaust gases. We're excited to impact the environment through our innovative system positively.



Cold Storage Monitoring System

We are thrilled to offer our clients cutting-edge technology to monitor cold storage equipment, including compressors, air coolers, and defrosters. Our state-of-the-art PLC and upper computer control scheme provide flexible adjustments tailored to the size of the cold storage and various brands of compressors, such as Bitzer, Carrier, Durin, Danfoss, Emerson, Maekawa, and more. By utilizing this technology, we ensure precise temperature control, energy conservation, and consumption reduction in quick-freezing, refrigerated freezers and fresh-keeping warehouses. With our innovative Internet of Things technology, we can provide remote on-site monitoring and program configuration, streamlining the monitoring process and making it much more efficient and convenient. Our goal is to provide our clients with the most advanced and efficient technology to ensure their cold storage needs are met with the highest standard of care.



Industrial IoT Product IloT – Yucon Gateway

"Our trademark, Yucon, was registered in 2016, and we use it to promote our industrial IoT products. Since we first released Yucon products in 2012, we have continuously upgraded and iterated them, resulting in a complete gateway and platform product line. This enables us to provide our clients with a one-stop industrial IoT solution that helps them connect their equipment to the network and implement cloud platform management. Additionally, we incorporate meticulous management methodology to increase the management efficiency of our company and the added value of our products."

Product System

Yucon offers a comprehensive IoT solution for industrial users that includes the Yucon Cloud Gateway, the Yucon Cloud Platform, and customized development services.



Yucon Cloud Gateway



YC-3000 Series



YC-5300 Series



YC-7000 Series

Classification	Function	YC-3000 Series	YC-5000 Series	YC-7000 Series
Collection Method	Collection point	50+	200+	500+
	Serial port	✓	✓	✓
	Ethernet		✓	✓
	Video interface			✓
	IO interface			✓ Option
	4-20mA			✓ Option
	LoRa interface			✓ Option
Collection Method	Wifi	✓ Option		✓ Option
	Ethernet		✓	✓
	4G	✓ Option	✓	
Extensions	Data transparency	✓		
	Encrypted transmission		✓	✓
	Disconnection		✓	✓
	Change upload		✓	✓
	Actively upload		✓	✓
	Remote configuration	✓	✓	✓
	Hardware remote upgrade		✓	✓
	Remote debugging		✓	✓
	Edge calculation			✓
	GPS			✓ Option

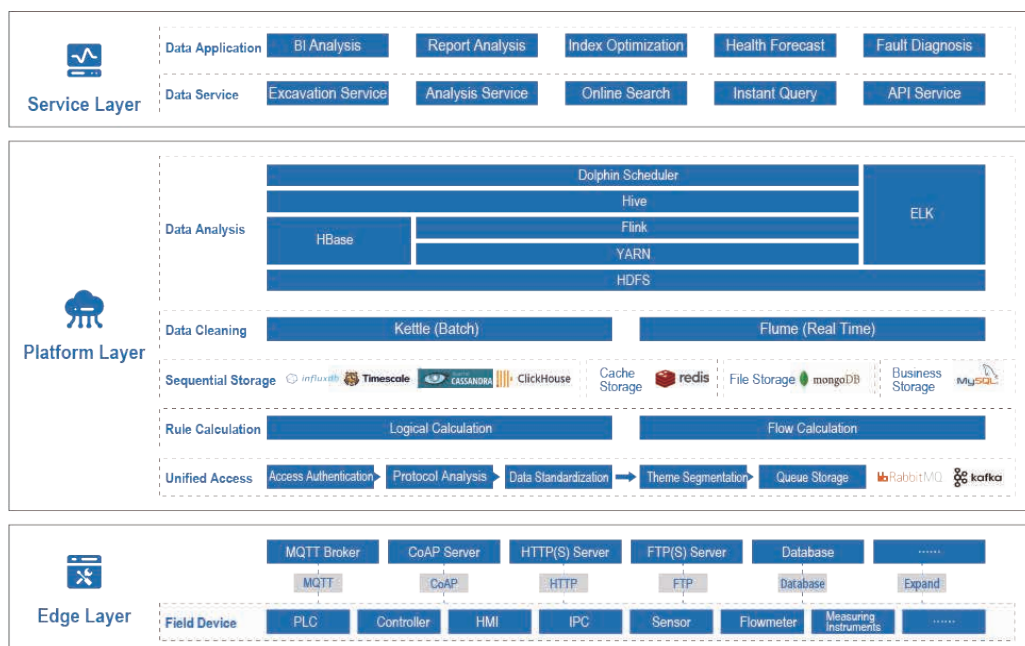
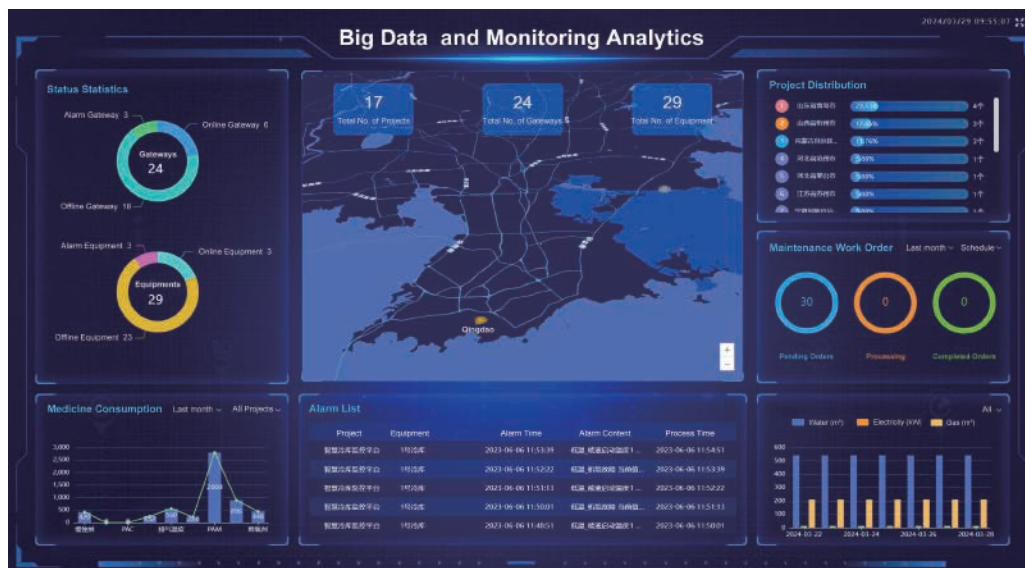
[Option](#)

Industrial IoT Product – Yucon Cloud Platform

Yucon Industrial IoT's cloud platform is a web-based application system developed using cloud architecture and IoT data services to meet the manufacturing industry's digital, networked and intelligent requirements. The system connects IoT hardware to transmit industrial equipment data or programs from various regions on-site to a remote cloud data centre, enabling cross-regional data interconnection, data statistics, remote operation and maintenance, and electrical equipment control. This helps companies achieve digital transformation and intelligent management. The system uses B/S architecture and supports various user scenarios, including PC browsers, mobile apps, WeChat official accounts, and applets.

Yucon Cloud Platform offers two modes of service: Public cloud and Private cloud. In the Public cloud mode, users can directly access the Yucon Cloud Platform SaaS service using their enterprise account. This enables them to obtain services with corresponding software functions and enjoy an independent server experience.

On the other hand, the Private cloud mode allows users to deploy a private platform on a server of their choice. Yucon offers three Private cloud products: a basic version that caters to general industry requirements, an Advanced version with industry-specific functional modules, and a customized version that can be developed according to the specific needs of customers.



Intelligent Controller

We possess extensive industry experience and advanced process concepts in industrial boilers, water supply and drainage, oil-water separation, sewage treatment, and energy-saving control of cold storage. Our team has developed intelligent controllers catering to universal and specialized applications. These controllers are equipped with high-performance processors and smart algorithms to meet the control needs of the industry. The product integrates various functions such as detection, protection, control, alarm, communication, and IOT, providing high integration and stability. Furthermore, our intelligent controllers can be equipped with a remote data acquisition module, supporting network access modes such as WI-FI, 4G, WAN, etc., to achieve remote access applications based on IOT systems. As a terminal node in the industrial IoT, our controllers deliver a comprehensive solution to meet the equipment control needs of the industry.



ESLC Smart Home Sewage Lifting Controller



DSLSC Sewage Lifting Controller



CSLC Smart Water Pump Controller



GWPC Universal Water Supply And Drainage Controller



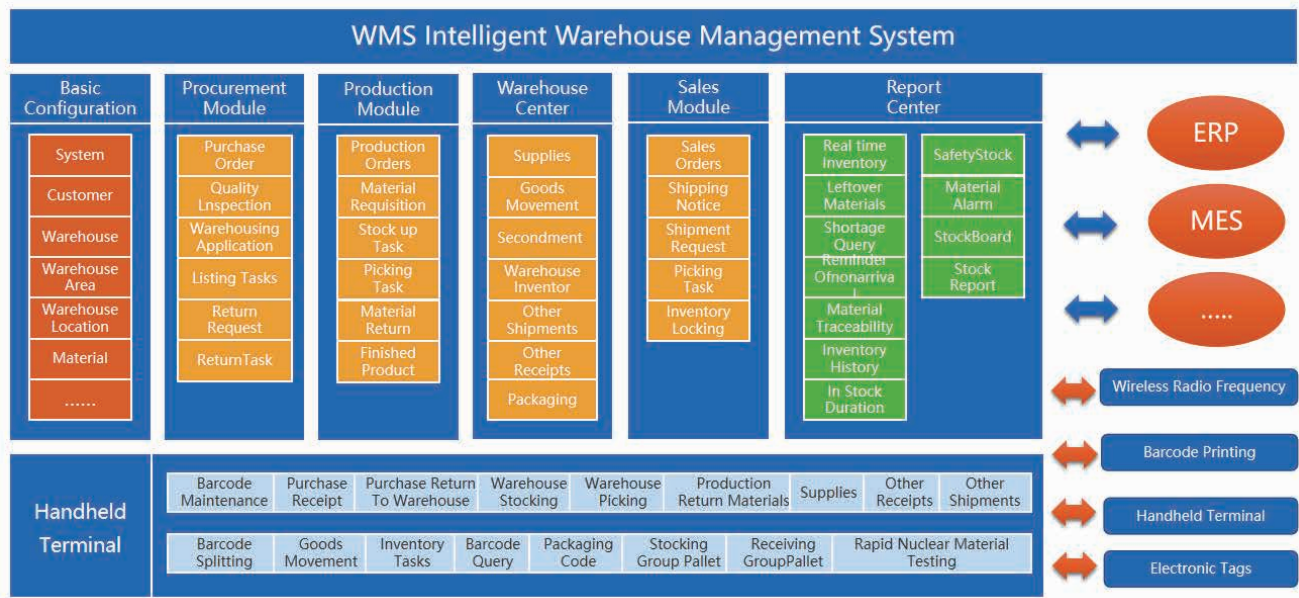
WOSC Oil-water Separation Controller



ESPC Multifunctional Water Pump Controller

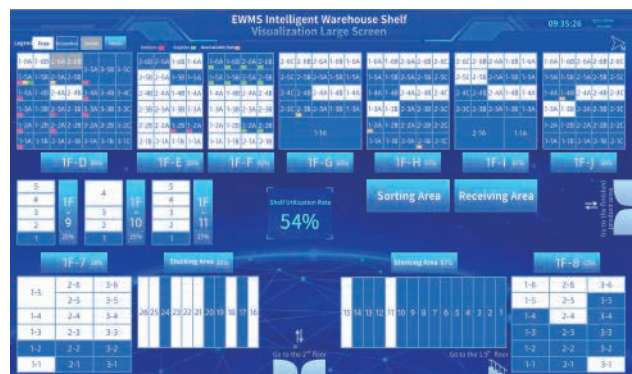
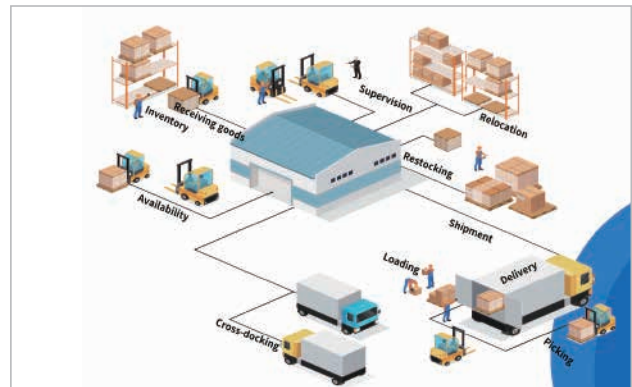
WMS Intelligent Warehouse Management System

The WMS (Warehouse Management System) is an intelligent platform that uses barcode operation and innovative technology to manage warehouses efficiently. It ensures transparent operation processes, precise inventory management, automated data collection, and integrated warehouse information management. This digital warehouse operation process control system provides enterprises with a reliable and comprehensive warehouse management platform.



Product Value

- Improve the efficiency of logistics and warehousing operations: timely data collection, precise management of the searching process, fully automatic and intelligent guidance for material requisition and stocking;
- Accurate management of storage locations: precise positioning management of storage locations, comprehensive monitoring of status, and full utilization of limited warehouse space;
- Real-time inventory control, reasonable maintenance and control of enterprise inventory: Material inventory requires barcode scanning to master accurate real-time inventory information;
- Promote the transformation of management methods from traditional experience-based management to precise digital analysis-based management, from post-management to in-process management and real-time management;
- Improve the response speed of the supply chain: Rapid transmission of workshop material requisition plans to improve communication efficiency;
- Realize data linkage between WMS and ERP: real-time accounting can be achieved through scanning the inbound and outbound data, which reduces data inputting time;
- More dimensional inventory analysis reports: storage locations and inventory distribution map, inventory age analysis chart, analysis of dead materials, etc.



Corporation Culture

BUSINESS PHILOSOPHY

Become the highest level of automation control equipment and system integration industry.

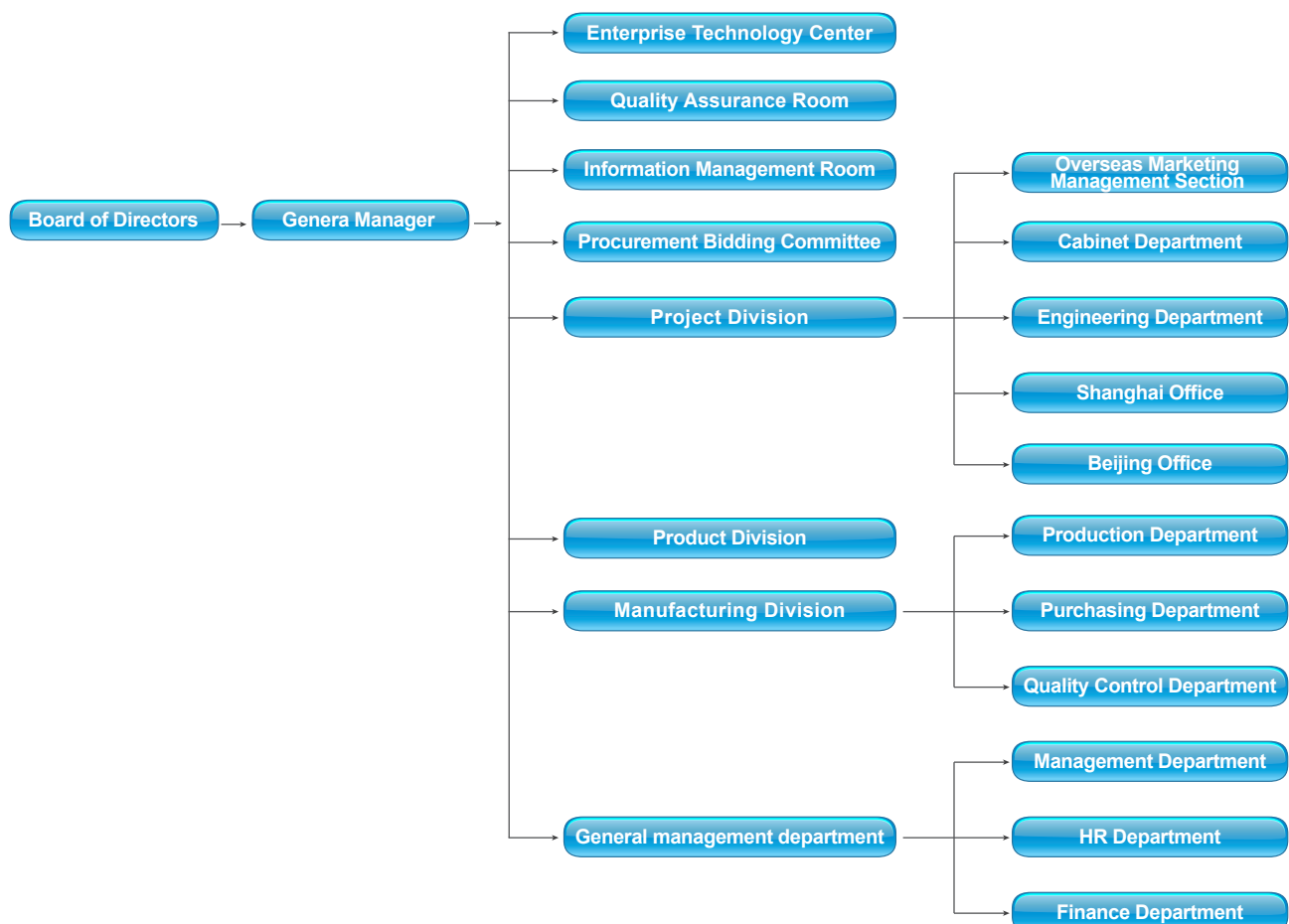
Enterprise mission: to benefit from the earth, from Ebara

Enterprise spirit: "hot" and "honest"

Corporate vision: to become the highest level of automation control equipment and systems integration industry representatives

Enterprise core values: customer orientation, heavy people dedicated, harmonious development, innovation

ORGANIZATIONAL STRUCTURE



Corporation Honor

We at Ebara Densan (Qingdao) Technology Co., Ltd. are proud to adhere to the highest quality standards in every aspect of our business. We are committed to delivering excellence in product research and development, engineering construction, and sales to services. Our dedication to quality has resulted in numerous accolades and recognitions, including the prestigious High Tech Enterprise and Electric Construction certificates. We constantly strive to improve our quality control and management, and our customers can expect nothing less than the best from us.



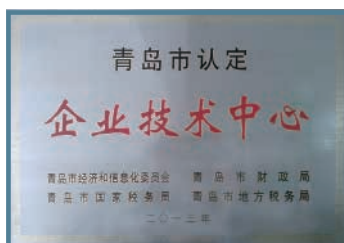
ISO 45001:2018 Certificate

ISO 9001:2015 Certificate

ISO 14001:2015 Certificate

CCC - China Compulsory Product Certification

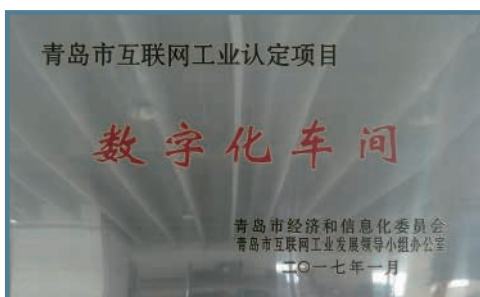
Siemens System Integrator



Qualification for Electric Power Construction

Qingdao Certified Enterprise Technology Center

National Hightech Enterprise



Digital workshop

Third Level Enterprise For Safety Production Standardization

Specialized, Refined, and Innovative Small and Medium-Sized Enterprises in Qingdao



CoC - Actuator/Controller

CoC - Yucon Gateway

CoC - Boiler Controller

CoC - Commercial Sewage Lifting Controller

CoC - Domestic Sewage Lifting Controller

Qingdao Enterprise Technology Center

Director of Qingdao Software Industry Association

More than 40 Software Copyright Certificates

More than 10 New Utility Model Patent Certificates

7 Invention Patents

4 Design Patents

Staff Appearance & Activities



Our Office



Company's Corporate Training



Annual Summer Party



Annual Meeting Celebration



Hangzhou Tour



Mountain Huang Hiking



Happy Riding



Team Building Activity

Partner

Japanese customers



AGC

HITACHI

Panasonic

DOWA

NOMURA



三機工業

DAIFUKU

European and American customers



POWIN

ALSTOM

Carrier

**FEDERAL
MOGUL**



上海通用汽车
SHANGHAI GM

FLSMIDTH

Domestic customers

Haier

中国华能集团公司
CHINA HUANENG GROUP

中广核 **CGN**



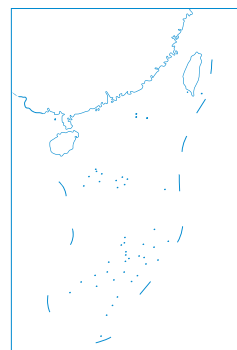
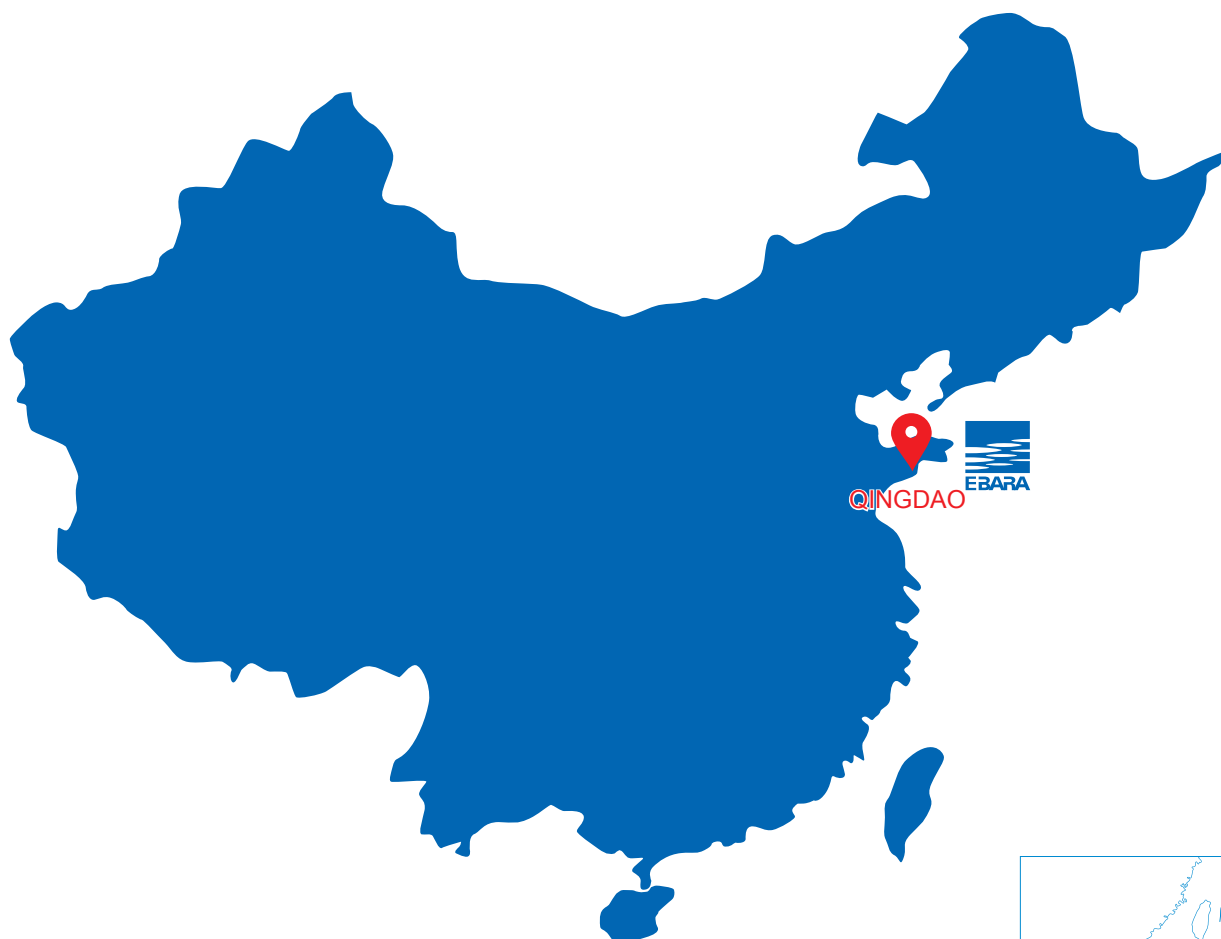
中国一重
GFHI

KENGIC
科捷

光大环保
EVERBRIGHT ENVIRONMENT

SEARI
上電科





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Official Account



Yucon Cloud Platform



TikTok