



IGAWARA CORPORATION PTE LTD

井河原私人有限公司

WATER TREATMENT PUMPS DIVISION



QUALITY POLICY

We deliver bias-free customer satisfaction
through the effective implementation of
ISO 9001 and **AS9120**
Compliant quality systems

We shall:



Never compromise quality or put profit above our quality management system.



Conduct stringent checks on the reliability of customers and vendors.



Only engage in businesses where long term relations with customers and vendors are sustainable for the mutual benefit of all parties.



Adhere to customer requirements and specifications to achieve total customer satisfaction.

Service with a Difference

- Delivering service that consistently exceeds expectations
- Providing comprehensive, end-to-end integrated solutions
- Ensuring reliable performance for critical operations
- Driven by expert engineering and strict quality control
- Manufactured in compliance with global ISO standards
- One trusted partner from concept to completion
- Proven track record across international projects
- Extensive experience in global trade and logistics
- Delivering value through cost efficiency and reliability
- Rapid response with solutions tailored to your needs



OUR POSITIONING

A GLOBAL SOURCING & MARKET DEVELOPMENT PARTNER

IGAWARA connects specialized Chinese pump manufacturers with international water treatment projects.

We identify high-performing pump technologies from China and introduce them to overseas markets where customers are seeking reliable alternatives to established international brands.

Rather than promoting a single pump manufacturer, we focus on application requirements, technical performance and project competitiveness.

OUR MARKET APPROACH

- **COMPETITIVE TECHNOLOGY POSITIONING**

We introduce qualified Chinese pump technologies to international water treatment markets, focusing on performance, reliability and application suitability.

Proven Performance · Reliable Solutions · Competitive Value

- **PROJECT-DRIVEN OPPORTUNITIES**

We identify opportunities across new water treatment projects, system upgrades and pump replacement requirements, matching suitable technologies to specific project needs.

New Projects · Upgrades · Replacement Opportunities

- **MULTIPLE TECHNOLOGY SOURCING**

We work with specialized Chinese manufacturers across different pump technologies, enabling us to select solutions based on application and project requirements rather than being limited to a single brand.

Application-Focused · Technology Options · Flexible Selection

- **APPLICATION-BASED SOLUTION MATCHING**

We evaluate pump technologies according to flow, head, fluid characteristics, operating conditions and system requirements to identify the most suitable solution for each application.

Right Technology · Right Application · Right Value

- **GLOBAL MARKET DEVELOPMENT**

We help qualified Chinese pump manufacturers expand into international markets by connecting their technologies with water treatment companies, EPC contractors, distributors and project owners.

Market Access · Local Connections · Global Opportunities



WATER TREATMENT PUMPS

A NEW GENERATION OF WATER TREATMENT PUMPING

WATER TREATMENT IS DEMANDING MORE FROM PUMP TECHNOLOGY

Modern water infrastructure requires pumps that deliver reliable performance, high efficiency and long-term operating stability — across increasingly demanding water, wastewater and industrial applications.

Alongside established global pump brands, specialized Chinese manufacturers are developing increasingly sophisticated technologies for high-efficiency hydraulics, advanced materials, premium-efficiency motors and intelligent control.

TECHNOLOGY CAPABILITIES

- **HIGH-EFFICIENCY HYDRAULICS**
CFD-optimized hydraulic design for improved efficiency and stable performance.
- **ENERGY-EFFICIENT DRIVES**
IE3 / IE4 motors, permanent-magnet technology and variable-speed operation.
- **ADVANCED MATERIALS**
Stainless steel, duplex, super duplex and corrosion-resistant materials for demanding environments.
- **RELIABILITY ENGINEERING**
Application-specific mechanical seals, bearings, wear components and protection systems.
- **SMART MONITORING**
Condition monitoring, vibration and temperature sensing, power monitoring and remote diagnostics.

FROM MANUFACTURING CAPABILITY TO GLOBAL APPLICATION

IGAWARA works with qualified Chinese pump manufacturers, connecting suitable technologies with international water treatment projects.

We identify the right technology, evaluate application suitability and support market development.

Relevant international certifications and testing documentation, including CE, UL and CSA, can be provided where applicable.

Proven Performance · Competitive Sourcing · Global Project Solutions · Technical Support



CORE PUMPS TECHNOLOGIES

ENGINEERED FOR DEMANDING WATER APPLICATIONS

Our portfolio is sourced from specialized manufacturers across China, covering multiple pump technologies and application requirements.

A NEW BENCHMARK IN PUMP PERFORMANCE

The global water treatment pump market has long been dominated by established Western and Japanese brands — Grundfos, Xylem, KSB, Sulzer, Wilo, Ebara, Flowserve. These brands set the standard for efficiency, reliability and innovation.

Today, Chinese pump manufacturers have closed the gap. Through decades of R&D, advanced manufacturing and real-world validation in the world's most demanding infrastructure projects, Chinese pump technology now achieves performance parity — and in certain metrics, superiority — over leading international brands.

CORE PUMP TECHNOLOGIES

Technology	Primary Applications
Centrifugal Pumps	Water transfer · Process water · General treatment
Multistage Pumps	RO systems · Booster · High-pressure duties
Vertical Turbine Pumps	Water intake · Raw water · Large-flow applications
High-Pressure Pumps	RO · Desalination · High-pressure processes
Magnetic Drive Pumps	Chemical handling · Corrosive liquids · Leak-free
Canned Motor Pumps	Closed systems · Zero-leakage chemical processes
Submersible Pumps	Wastewater · Drainage · Sewage transfer
Split-Case / End-Suction Pumps	Municipal systems · Cooling · Circulation

PERFORMANCE FOCUS

- Efficiency — Optimized CFD hydraulics, peak efficiencies 94%+ in large pumps
- Energy Management — IE3/IE4 motors, permanent-magnet IE5, VFD-ready
- Materials — Stainless steel, duplex/super duplex, high-nickel alloys
- Reliability — Designed for continuous duty in aggressive media
- Smart Monitoring — Vibration, temperature, power sensing & remote diagnostics

QUALITY & INTERNATIONAL READINESS

All pumps are manufactured to internationally recognized standards. Our partner factories hold relevant certifications, including CE, UL, CSA, GS, WRAS and CB, where applicable.

Manufacturing is supported by ISO 9001, ISO 14001 and OHSAS 18001 management systems, with CNAS-accredited testing laboratories and TÜV / UL witness testing capabilities.

QUALITY ASSURANCE

Full performance curves, material certifications and factory test reports are available to support project requirements and quality verification.

PERFORMANCE ADVANTAGE

THE VALUE PROPOSITION — COMPELLING COST ADVANTAGE 10-YEAR TOTAL COST OF OWNERSHIP COMPARISON

Cost Factor	Reference Brand	Our Solution	Savings
Initial Purchase Price	100%	60–70%	30–40%
10-Year Energy Cost	100%	85–90%	10–15%
Maintenance & Spares	100%	70–80%	20–30%
10-Year TCO	100%	~65–75%	25–35%

Example: A large-scale water transmission project using Chinese pumps saved 30% in procurement and maintenance — with sealing components alone saving \$5,500 per set.

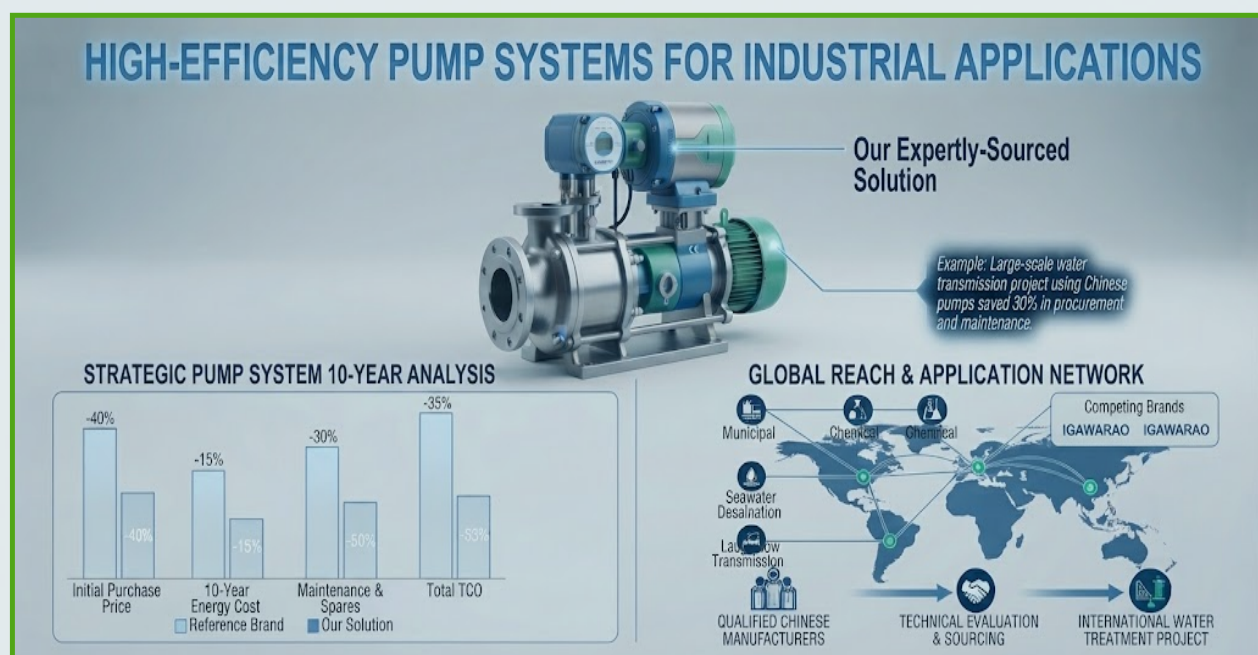
OUR COMPETITIVE POSITIONING

WHY CUSTOMERS CHOOSE US

Application	Competing Brands
Municipal / Industrial Water & Wastewater	Grundfos, Xylem, KSB, Wilo, Ebara
Chemical / Process / Specialized Pumps	Sulzer, Flowserve, ITT
Seawater Desalination / High-Pressure	Grundfos, Sulzer, KSB, Ebara
Large-Flow / Water Transmission	KSB, Sulzer, Flowserve

THE IGAWARA DIFFERENCE

We work with qualified Chinese pump manufacturers to identify suitable technologies for international water treatment applications. By combining technical evaluation, competitive sourcing and project support, IGAWARA provides customers with additional technology choices and greater overall project value.



GLOBAL PROJECT REFERENCES

CHINESE PUMP TECHNOLOGY — GLOBAL PROJECT REFERENCES DESALINATION & WATER SUPPLY

01 · JAFURAH DESALINATION PROJECT — SAUDI ARABIA

SWRO High-Pressure Pumps · Booster Pumps
80,000 m³/day · Industrial Water · Harsh Desert Environment
BENCHMARK: Sulzer · KSB · Flowserve

02 · JUBAIL 3B DESALINATION — SAUDI ARABIA

SWRO High-Pressure Pumps · Seawater Intake Pumps
570,000 m³/day · Mega-Scale Desalination · Energy Efficiency
BENCHMARK: Sulzer · KSB · Flowserve

03 · SHUWEIHAT 4 IWP — UAE

High-Pressure RO Pumps · Intake Pumps
318,000+ m³/day · Large-Scale SWRO · 24/7 Operation
BENCHMARK: Sulzer · Flowserve · KSB

04 · AL GHUBRAH 3 IWP — OMAN

High-Pressure Pumps · Booster Pumps
300,000 m³/day · SWRO · Corrosion Resistance
BENCHMARK: Sulzer · KSB · Flowserve

05 · CASABLANCA-SETTAT — MOROCCO

High-Pressure RO Pumps · Seawater Intake Pumps
548,000 m³/day · Municipal Water Supply · Large-Scale SWRO
BENCHMARK: Sulzer · KSB · Flowserve

06 · ALKIMOS DESALINATION — AUSTRALIA

SWRO High-Pressure Pumps · Feed Pumps
150,000 m³/day · Potable Water · High Reliability
BENCHMARK: Sulzer · KSB · Torishima



GLOBAL PROJECT REFERENCES

CHINESE PUMPS FOR GLOBAL WATER INFRASTRUCTURE

GLOBAL WATER APPLICATIONS — FROM SOURCE TO REUSE

01 · MUNICIPAL WASTEWATER PROJECT — USA

High-Head Submersible Pumps · Hose Pumps
Wastewater Transfer · Difficult Fluid Handling
Anti-Clogging · Wear Resistance · Customized Design
BENCHMARK: Xylem · Grundfos · KSB

02 · WASTEWATER PROJECT — CROATIA

Customized Hose Pumps
Municipal Wastewater · Chemical Dosing
316L Stainless Steel · Corrosion Resistance · Low-Temperature Adaptation
BENCHMARK: SEEPEX · Verder · Watson-Marlow

03 · SPANISH NATIONAL WATER PROJECT — SPAIN

Horizontal Submersible Axial-Flow Pumps
Water Transfer · Flood Control · Irrigation
26 Units · 500 kW Each · Large-Flow Operation
BENCHMARK: KSB · Xylem · Sulzer

04 · UPPER WAWA BULK WATER PROJECT — PHILIPPINES

Raw Water Pumps · Transfer Pumps · Booster Pumps
Municipal Water Supply · Raw Water Transfer
500,000 m³/day · Major Water Infrastructure
BENCHMARK: Grundfos · Xylem · KSB

05 · INDUSTRIAL WATER APPLICATIONS — GERMANY

Industrial Water Pumps · Process Pumps
Process Water · Water Circulation · Industrial Infrastructure
High Efficiency · Customized Engineering
BENCHMARK: KSB · Sulzer · Wilo

06 · INDUSTRIAL WATER PROJECT — ITALY

High-Efficiency Split-Case Pumps
Industrial Water · Process Water
23 Units · Energy-Efficient Operation · High Hydraulic Efficiency
BENCHMARK: KSB · Xylem · Grundfos



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OUR BUSINESS COVERAGE 我们的业务范围



Oil & Gas E&P



Petrochemical / Refineries



Aerospace



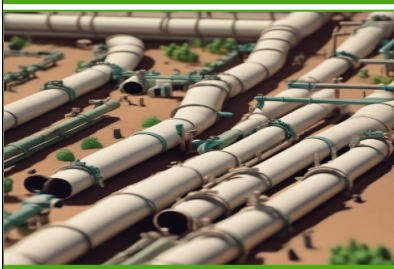
Energy Generation



Nuclear



Marine & Offshore



Cross Country Pipeline Projects



Automobile



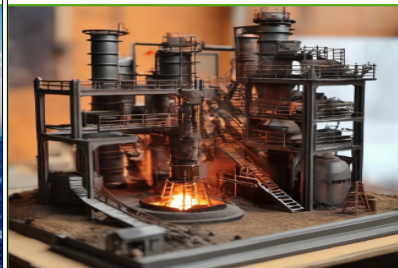
Water Treatment & Desalination Plants



Infrastructure



Renewable Energy



Smelting Plant



Precision Engineering Equipment



Data Center



Pulp & Paper



LNG



Construction Industry



Industry Plants



Chemical / Pharmaceutical Plant



Laser Cutting, Robot

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