



IGAWARA CORPORATION PTE LTD

井河原私人有限公司

MARINE & PROCESS 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



WHO WE ARE

BEYOND PUMP TRADING – MARINE & OFFSHORE FOCUS

China has developed a strong and increasingly competitive pump manufacturing base, with selected manufacturers offering advanced technologies for demanding industrial and marine applications.

Igawara identifies and evaluates qualified Chinese pump manufacturers based on technology, quality, certifications, application experience and international competitiveness — then matches the right solution to the project.

Our focus is not on offering every type of pump, but on selected pump technologies that are proven, competitive and particularly suitable for shipyards, marine and offshore applications.

We connect Chinese pump technology with growing shipyard markets across Singapore, Malaysia, Indonesia, the Philippines and the Middle East.

OUR BELIEF

We believe the next generation of industrial sourcing is not about choosing between Chinese or Western brands.

It is about choosing the best-fit technology for each application.

Where Chinese engineering offers proven performance, competitive value and reliable supply, Igawara connects it with global customers through manufacturer evaluation, technical coordination and commercial support.

For shipyards and marine industries, this means the right technology, competitive value and reliable supply — with Igawara supporting the process from technology selection to delivery.

From proven Chinese engineering to global shipyard applications.

That is the role of Igawara Pump Division.



OUR THREE TECHNOLOGY PILLARS

THREE PILLARS. ONE STANDARD.

We focus on selected pump technologies that offer proven performance, competitive value and strong potential for shipyard, marine and offshore applications.

01. CRYOGENIC PUMPS

FLAGSHIP TECHNOLOGY

Advanced pumping technology for extreme low-temperature applications, with proven LNG, gas and petrochemical experience.

Applications:

LNG · Industrial Gases · Petrochemical · Hydrogen

Temperature: Down to -263°C

Benchmark: Nikkiso · EBARA · Cryostar

02. CANNED MOTOR PUMPS

CORE DIFFERENTIATOR

Sealless pumping technology for critical processes requiring high containment, reliability and operational safety.

Applications:

Chemical · Petrochemical · Pharmaceutical · Nuclear

Key Feature: Zero external shaft seal

Benchmark: Teikoku · HERMETIC

03. SELECTED INDUSTRIAL PUMPS

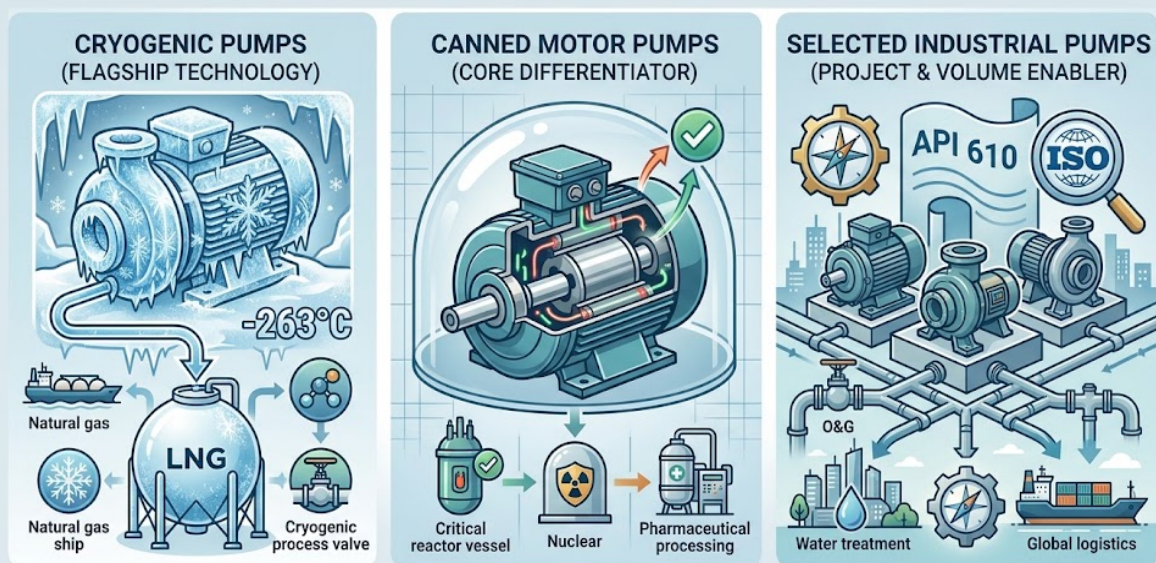
PROJECT & INDUSTRIAL SOLUTIONS

Proven industrial pump technologies for infrastructure, energy and process applications, selected for technical capability and international project potential.

Applications: Water · Oil & Gas · Mining · Power · Process Industries

Standards: API 610 · ISO · International Project Requirements

Benchmark: Xylem · Grundfos · KSB · Sulzer · Flowserve



CRYOGENIC PUMPS

ENGINEERED FOR THE MOST DEMANDING APPLICATIONS

Cryogenic pumps demand exceptional control of materials, thermal performance, hydraulics and reliability.

Our selected Chinese partners have built substantial engineering capabilities through large-scale projects in LNG, petrochemical and industrial gas applications.

WHY WE SELECT THIS TECHNOLOGY

TECHNICAL DEPTH

Specialized R&D and proprietary designs developed for demanding cryogenic services.

LARGE-SCALE CAPABILITY

Experience with large LNG storage tanks, receiving terminals and marine LNG systems.

PROVEN PROJECT EXPERIENCE

Technology proven in critical applications where reliability and operating stability are essential.

INTERNATIONAL POTENTIAL

Selected technologies have progressed from domestic applications into overseas projects and markets.

REPRESENTATIVE CAPABILITIES

LNG STORAGE

Large-flow in-tank submerged pumps

LNG TERMINALS

Transfer and process pumping systems

LNG MARINE

Cargo · Stripping / Spray · Emergency · Fuel Gas Pumps

INDUSTRIAL GASES

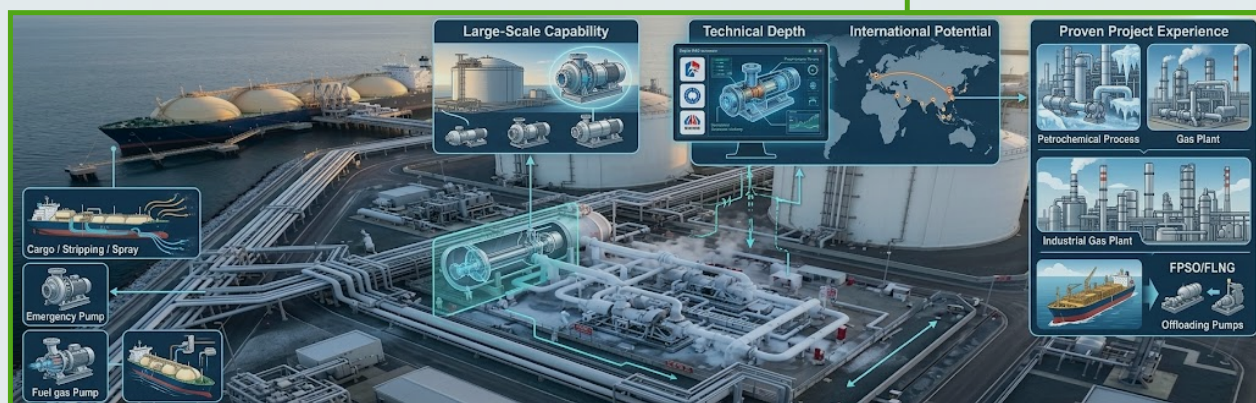
Cryogenic pumps for demanding gas applications

PETROCHEMICAL

Ethylene and other low-temperature process fluids

FPSO/FLNG

Offloading and circulation pumps for floating production units



CANNED MOTOR PUMPS

SEALLESS TECHNOLOGY FOR CRITICAL PROCESSES

Canned motor pumps integrate the pump and motor into a fully enclosed, sealless unit, eliminating the conventional mechanical shaft seal.

This design significantly reduces the risk of leakage and emissions, making canned motor pumps particularly suitable for hazardous, toxic, volatile or high-value fluids where containment and operational reliability are critical.

With fewer external sealing components, the technology can also help reduce maintenance requirements while providing reliable, continuous operation in demanding process environments.

WHY WE SELECT THIS TECHNOLOGY

- **SEALLESS DESIGN**

No conventional mechanical shaft seal, significantly reducing potential external leakage points and helping to improve operational safety and reliability.

- **PROCESS CONTAINMENT**

Designed for handling toxic, hazardous, volatile and high-value fluids where secure containment is essential.

- **ENGINEERING EXPERIENCE**

Our selected manufacturers bring decades of specialised experience in canned motor pump design, manufacturing and testing.

- **INTERNATIONAL-READY**

Technology developed around established international engineering practices and suitable for demanding industrial projects and applications.

TYPICAL APPLICATIONS

- Chemical — Reaction and process circulation
- Petrochemical — Hydrocarbon and hazardous-fluid transfer
- Pharmaceutical — High-purity and contamination-sensitive processes
- Energy — Critical auxiliary and process systems
- Marine & Offshore — Chemical tankers, FPSO systems and offshore platforms
- Specialty Fluids — Toxic · Volatile · Corrosive · High-value fluids



SELECTED INDUSTRIAL PUMPS

PROVEN PUMP TECHNOLOGIES FOR INDUSTRIAL APPLICATIONS

Not every industrial pump needs to be highly specialized. For many infrastructure, energy and process applications, customers need reliable, proven and commercially competitive pumping solutions.

Igawara selects industrial pump technologies with established manufacturing capability, documented applications and the potential to meet international project requirements.

WHAT WE LOOK FOR

- **PROVEN APPLICATIONS**
Products with established industrial operating experience.
- **ENGINEERING CAPABILITY**
Strong hydraulic design, manufacturing and testing capabilities.
- **INTERNATIONAL STANDARDS**
Capability to meet applicable API, ISO, CE and project-specific requirements.
- **COMPETITIVE VALUE**
A strong balance of performance, reliability, lead time and total project cost.

WHERE WE FOCUS

Our selected pump technologies are positioned for demanding shipyard, marine and offshore applications, with broader industrial applications where relevant.

- **Shipyards & Ship Repair**
Drydock services · General service · Cooling water · Ballast systems · Fire protection
- **Marine & Offshore**
Marine process systems · Offshore platforms · FPSO · Auxiliary systems
- **Oil & Gas & Energy**
Hydrocarbon transfer · Process systems · Power and energy infrastructure
- **Chemical & Petrochemical**
Process circulation · Hazardous fluids · Corrosive fluids · Specialty chemicals
- **Water & Infrastructure**
Water supply · Drainage · Fire protection · Wastewater systems · Utility services



GLOBAL PROJECT REFERENCES

01 — CRYOGENIC PUMPS

SELECTED PROJECT HIGHLIGHTS

- **SINGAPORE — LNG BUNKERING VESSEL (2023–2024)**
Cryogenic pump tower technology supplied for a 12,000 m³ LNG bunkering vessel built for a major Singapore shipyard, demonstrating Chinese capability in advanced LNG marine systems.
- **MALAYSIA — OIL & GAS PROCESS (2024)**
Process pump technology supplied for a Malaysian refinery and petrochemical application, supporting demanding hydrocarbon processing operations.
- **INDONESIA — LNG / CRYOGENIC APPLICATIONS (2024)**
Cryogenic liquid pumps supplied for LNG and low-temperature gas applications in Indonesia, demonstrating growing acceptance of Chinese cryogenic technology in Southeast Asian energy markets.
- **MALAYSIA — LNG TRANSFER SYSTEM**
High-flow LNG unloading pump skid supplied for LNG transfer and filling applications, designed for continuous cryogenic service and reliable LNG handling.
- **INTERNATIONAL CLASSIFICATION — LARGE LNG CARRIERS (2024)**
A full range of cryogenic pump technologies developed for large LNG carriers, including main cargo, spray/stripping and emergency pump applications, successfully completed witnessed FAT testing by CCS, DNV, LR and ABS.

KEY HIGHLIGHTS

Proven capability in -162°C LNG service, with cryogenic pump technology validated through witnessed FAT testing by CCS, DNV, LR and ABS. Applications include LNG cargo handling, LNG bunkering and critical marine cryogenic systems, demonstrating the technology's readiness for demanding international projects and its potential as a competitive alternative to established global suppliers.



GLOBAL PROJECT REFERENCES

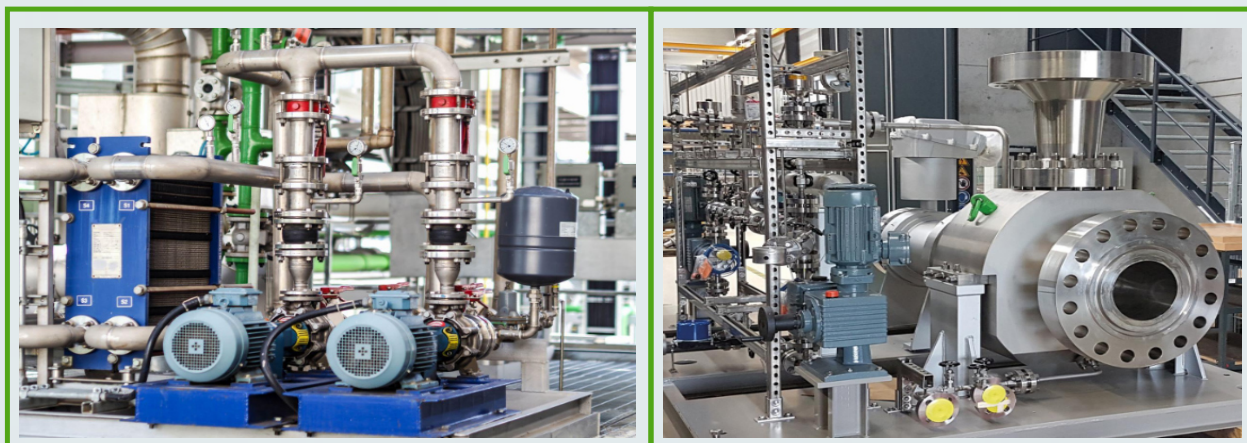
02 — CANNED MOTOR PUMPS

SELECTED PROJECT HIGHLIGHTS

- **EUROPE — HUNGARY CHEMICAL PROJECT (2024)**
Canned motor pumps supplied for a major MDI chemical plant expansion in Hungary, with factory testing witnessed by TÜV SÜD. The project demonstrates the capability of Chinese sealless pump technology to meet demanding European industrial requirements.
- **EUROPE — CHEMICAL PROCESS APPLICATIONS**
High-performance canned motor pumps supplied for chemical processing applications involving hazardous and corrosive fluids, where zero external shaft leakage and secure containment are critical.
- **MIDDLE EAST — PETROCHEMICAL APPLICATIONS (2024–2025)**
Sealless pump technology supplied for demanding petrochemical process applications, supporting the safe handling of hydrocarbons and hazardous fluids in continuous operation.
- **INTERNATIONAL — SPECIALTY CHEMICAL APPLICATIONS**
Canned motor pump systems applied to processes involving toxic, volatile and high-value fluids, where containment, reliability and reduced leakage risk are essential.
- **INTERNATIONAL — MARINE & OFFSHORE APPLICATIONS**
Sealless pumping technology developed for critical fluid-handling applications with potential across chemical tankers, offshore process modules and marine energy systems, where leakage prevention and operational safety are key requirements.

KEY HIGHLIGHTS

Proven sealless pump technology for hazardous, toxic, volatile, and high-value fluids, combining a zero external shaft seal design with secure process containment and reliable continuous operation. International project experience demonstrates its potential as a competitive alternative to established European, Japanese, and other global suppliers.



GLOBAL PROJECT REFERENCES

03 — SELECTED INDUSTRIAL PUMPS

SELECTED PROJECT HIGHLIGHTS

- **TURKEY — FLOATING POWER VESSELS**
VERTICAL TURBINE COOLING WATER PUMPS
17 units supplied across three power projects, including two floating power vessels and one onshore plant.
- **BRAZIL — FPSO ARMADA STERLING V**
API 610 VS4 VERTICAL PROCESS PUMPS
Supplied for FPSO offshore production and utility services, with pump lengths up to 18m and ATEX Zone 0 certification.
- **MALAYSIA — SHELL TENSION LEG PLATFORM**
API 610 BB5 HIGH-PRESSURE PUMPS
BB5 multistage pumps for high-pressure deoxygenated water injection and offshore liquid transfer services.
- **MIDDLE EAST — LNG PROCESSING**
API 685 MAGNETIC SEALLESS PUMPS
Vertical magnetic sealless pumps developed for hydrocarbon, H₂S and hazardous-fluid services, with lengths up to 5.5m.
- **INDONESIA — BATAM SHIPYARD**
MARINE CENTRIFUGAL / FIRE WATER PUMPS
Marine pumps for fire-fighting, ballast and general service systems, supporting vessel newbuilding and ship repair.
- **INTERNATIONAL OFFSHORE PROJECTS**
SEAWATER LIFT PUMPS
For seawater intake, cooling water and offshore utility systems, designed for demanding marine environments.
- **INTERNATIONAL MARINE & ENERGY**
MULTISTAGE HIGH-PRESSURE PUMPS
Applied to water injection, cooling water and high-head services across marine and energy projects.



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OUR BUSINESS COVERAGE 我们的业务范围



Oil & Gas E&P



Petrochemical / Refineries



Aerospace



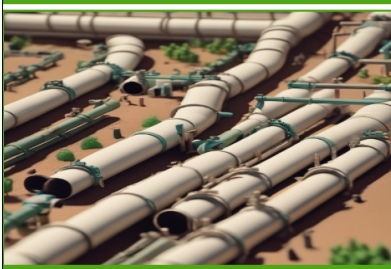
Energy Generation



Nuclear



Marine & Offshore



Cross Country Pipeline Projects



Automobile



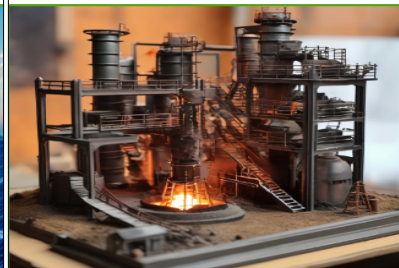
Water Treatment & Desalination Plants



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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