



# Driving Industrial Evolution

**Company Profile Torishima Egypt**



# About Torishima

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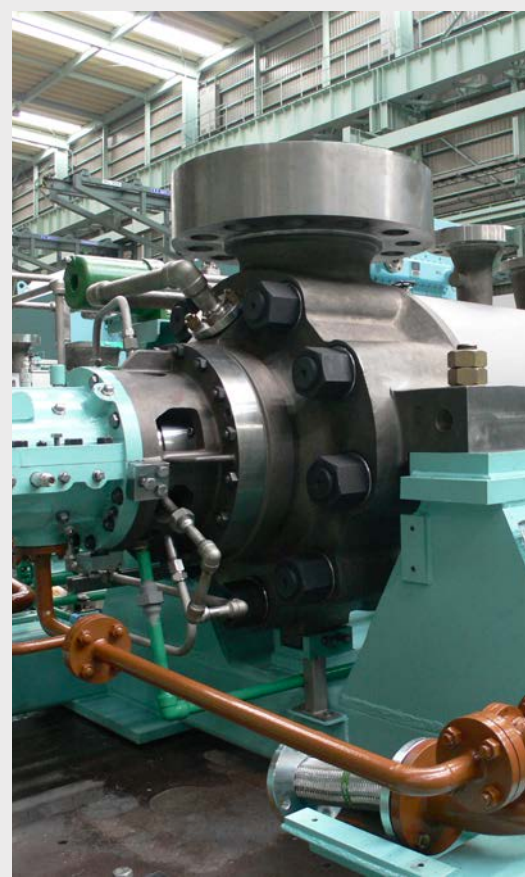
Founded in **1919 in Osaka, Japan**, Torishima is a specialist **pump manufacturer** and **industrial service provider**.

Our passion for the products and services we offer drives us to keep **innovation at the heart of our business** and to **remain a leading company in the industry**, evolving every day and aspiring to be **indispensable to society**.

With over a **century** of engineering excellence, Torishima combines **excellence, advanced technology, with a strong commitment to quality, reliability** and **sustainability**. Our **comprehensive solutions** and **dedicated service** ensure **long-term performance** and **value for customers worldwide**.

## Industries

- Water & Wastewater
- Irrigation & Drainage
- General Industry
- Power Industry
- Oil & Gas
- Desalination



# Torishima Egypt

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Established in Cairo in 2023, Torishima Service Solutions Egypt Ltd builds on years of experience serving customers in North Africa, now strengthened by a dedicated local office and upcoming service facility.

A state-of-the-art service facility is currently under construction in the **Suez Canal Economic Zone (SCZONE)**, enabling us to provide comprehensive repair, maintenance, refurbishment, and re-engineering services for Torishima pumps and other leading brands across Egypt and the wider region.

With the backing of over a century of Torishima's global engineering expertise, we ensure reliable, efficient, and high-quality solutions tailored to the needs of the North African market.



# Engineered Solutions Provider

Our main objective is to provide comprehensive solutions that benefit our customers in multiple aspects:



## Optimising Efficiency

We work to improve our customers' operational efficiency, ensuring optimal performance of their assets.



## Reducing Energy Consumption

We develop solutions that minimise energy consumption, contributing to a more sustainable and economical operation.



## CO2 Reduction

We are committed to reducing our carbon footprint through advanced technologies and responsible practices.



## Mean Time Between Failure

We develop equipment that meets specific process requirements, improving reliability and extending system life.





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## Mechanical Services

Torishima Service Solutions Egypt delivers comprehensive lifecycle support for rotating equipment throughout Egypt and the surrounding region.

Our mechanical services include inspection, overhaul, refurbishment, and re-engineering of pumps, ensuring reliability, performance, and efficiency. Using **REDU (Re-Engineering and Design Upgrade)** principles, we apply advanced engineering approaches to optimise the performance and reliability of your rotating equipment, adapting global best practices to regional operations.



## Overhauls & Refurbishment

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Using OEM-approved procedures and precision engineering, we restore pumps and rotating equipment to original, or improved, performance.

Services include inspection, component repair or replacement, dynamic balancing, and hydraulic restoration, ensuring reliability, efficiency, and extended service life while minimizing unplanned downtime.



## Upgrades & Retrofits

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Hydraulic and mechanical enhancements extend equipment life, reduce energy consumption, and improve mean time between failures. Upgrades are designed to integrate seamlessly with existing systems, adapting pumps to evolving process requirements while maximizing operational efficiency.



## Lifecycle Support & Site Services

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OEM-trained engineers provide on-site support for installation, commissioning, troubleshooting, vibration analysis, condition monitoring, and performance testing. These services optimize operation, reduce downtime, and maintain the integrity and efficiency of critical assets throughout their lifecycle.



## Spare Parts

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We supply genuine or fully compatible parts manufactured to OEM standards, using 3D reverse engineering and Positive Material Identification (PMI) where needed. Parts are inspected and available with short lead times, ensuring reliability, system compatibility, and support for both planned maintenance and urgent repairs.

# Monitoring, Diagnostics & Reliability

Torishima Service Solutions offers advanced monitoring, diagnostics, and reliability services to maximize the performance, efficiency, and lifespan of rotating equipment.

By continuously assessing machine health, we help prevent failures, optimize maintenance schedules, and ensure your operations run smoothly and safely.

## Capabilities

### Condition Monitoring

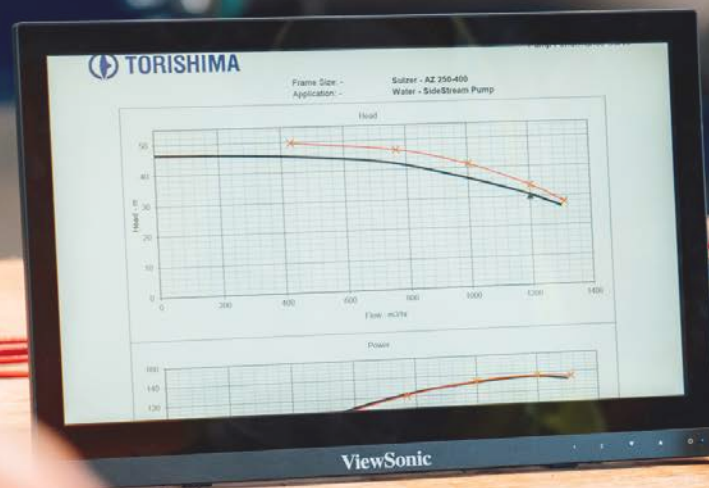
1. Oil Debris Analysis
2. Vibration Testing & Analysis
3. Laser Alignment
4. Thermal Imaging
5. Thermometric Pump Testing

### Vibration & Reliability Services

1. Health and Performance Checks
2. Predictive Diagnostics
3. Imbalance & Misalignment Correction
4. Bearing and Component Integrity
5. Flow and Performance Optimization

### Advanced Diagnostics:

Detect and resolve mechanical issues early, including shaft and structural problems, cavitation, wear and tear, corrosion prevention, and lubrication management





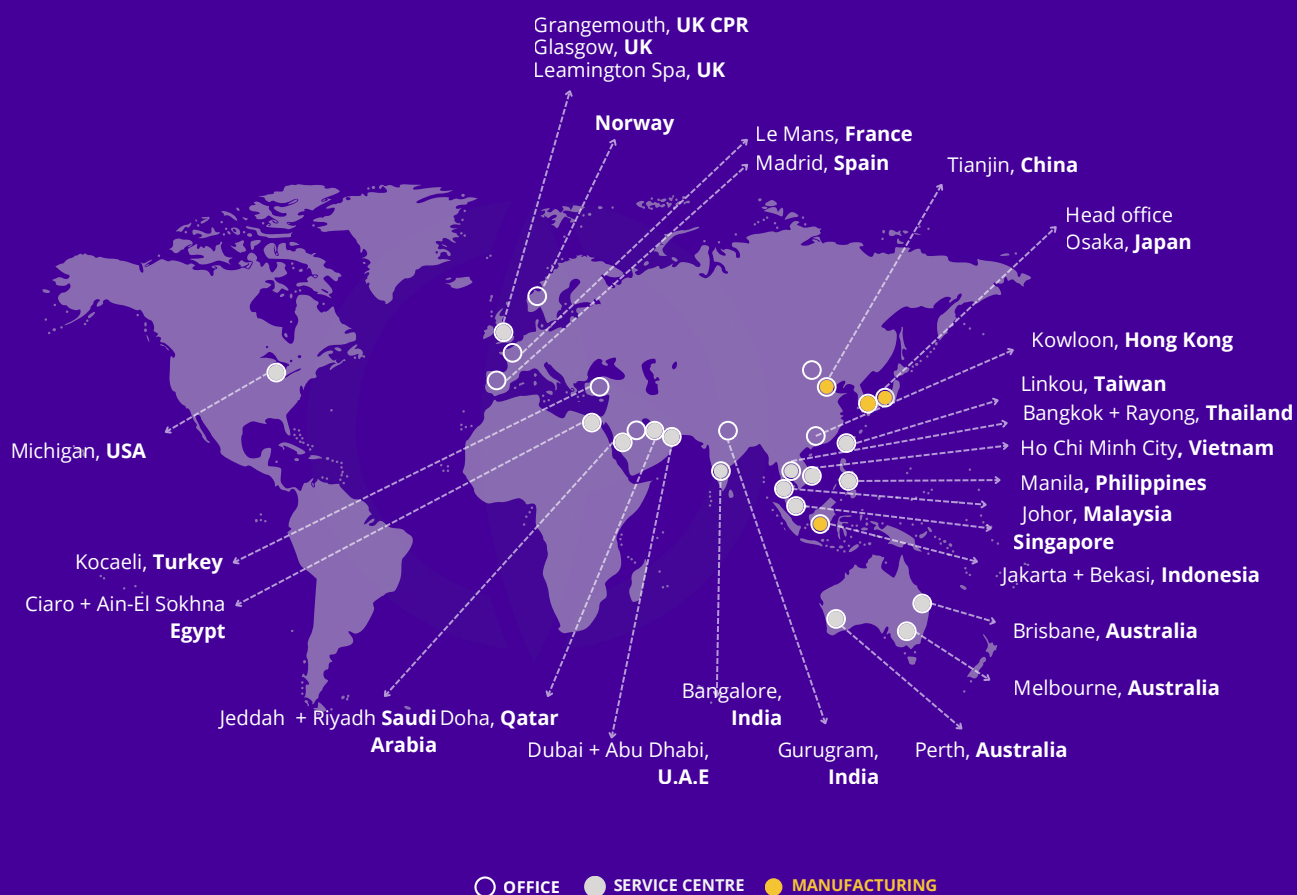
REDU (Re-Engineering and Design Upgrade) is Torishima's unique engineering approach to restore, optimise, and extend the life of pump equipment. By re-examining specifications, upgrading materials, and refurbishing or replacing worn components, REDU not only reproduces original performance but can often enhance it.

Developed through decades of pump engineering expertise, REDU addresses common operational challenges such as efficiency loss, long lead times for replacement parts, and rising operating costs. The result is improved reliability, optimised performance, and long-term value across the entire pumping system.

Using 3D measurement technology, reverse engineering, and advanced design tools such as CFD and FEA, we precisely assess component geometry, material behaviour, and hydraulic performance. This enables the development of upgraded designs that resolve specific performance issues, improve durability, and ensure long-term reliability across a wide range of pump applications.



# Our Global Network





# Evolving to Meet the Demands of an Ever-Changing World.

## Innovative Systems Solutions Coupled with Expertise in Pumping Technology

Our two main business streams, Pumps Sales and Service Solutions, offer an innovative approach to the supply of new pumping units as well as the repair and upgrade of rotating equipment in different markets.

In addition, our aim to offer the most efficient and innovative technology is linked to Torishima's business philosophy of providing carbon neutral solutions by maximising efficiency, reducing maintenance costs and conserving energy in all applications, thus meeting another of our key objectives, the reduction of CO2 emissions.

## Contact Us - Egypt

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### Service Facility

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