



Torishima Service Solutions

Cooling Water Systems



Cooling Water Systems ⊕

At Torishima, we understand that effective cooling is essential for industrial equipment to operate efficiently.

Our Cooling Water Systems are designed to remove excess heat from vital components, including pump bearings, lube oil systems, chillers, electric motors, VSD transformers, and fan filter units. By ensuring optimal operating temperatures, our systems enhance performance and extend equipment lifespan.



What we offer:

Torishima specialises in engineered Cooling Water Systems tailored to meet diverse site operational requirements. Our solutions include:

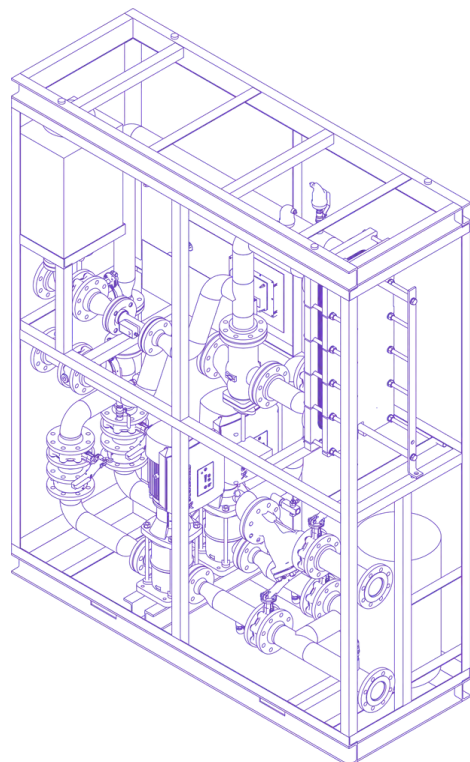
- Compact, Plug-and-Play Designs: Efficient, space-saving systems that facilitate easy transportation, installation, and commissioning.
- Standardised designs adaptable to varying cooling requirements.
- Bespoke design solutions: Adaptable for various site layout configurations.
- Performance Capabilities:
 - Skid mounted solutions from 2" to 12"
 - Flow rates from 25 m³/hr to 980 m³/hr
 - Heat loads up to 5.6MW
- Installation & Commissioning Support: Ensuring seamless integration and operation.

Compact CWS for VFD Cooling

Torishima has developed a small, modular Cooling Water System designed specifically for Variable Frequency Drives (VFD) cooling applications using deionised water.

This innovative system is:

- Compact and Self-Contained:
Multi level design ensure small footprint.
- Plug & Play
Simple installation design to integrate seamlessly with VFD.
- Standardised Yet Scalable:
Adaptable to varying operational demands while maintaining a plug-and-play design.





How Our System Works

Torishima's Cooling Water System operates in a closed-loop configuration, continuously regulating temperature for pumps, motors, and other critical equipment.

The process follows these key steps:

→ Heat Removal :

Cooling water circulates from the skid to the consumers, absorbing heat from the equipment.

→ Heat Transfer:

The heated water returns to the system and passes through a heat exchanger.

→ Cooling Process:

Water from the main product water line removes absorbed heat, ensuring optimal temperature regulation.

→ Recirculation:

The cooled water is then circulated back into the system, maintaining efficient and reliable operation.

Why Choose Torishima?

Torishima is committed to delivering high-quality, engineered cooling solutions **from concept to completion**. Our approach includes:

Expert Engineering Team:

Multi-disciplinary, professionally qualified engineers dedicated to tailored solutions.

Premium Supply Chain Partners:

Ensuring the highest quality components and equipment.

Advanced Design & Manufacturing:

Utilising 3D design software and Design for Manufacture techniques for optimal plant layout and system efficiency.

UK-Based Assembly & Worldwide Support:

All Torishima Cooling Water Systems are designed and assembled at our facility in Glasgow, UK, with full support for installation and commissioning.





Innovative systems solutions coupled with expertise in pump technology.

Maximise efficiency, reduce maintenance costs and conserve energy in all applications through innovative products and solutions.

Contact us - UK

Glasgow - European Head Offices and Workshop

30 Colliery Road Clyde Gateway, Business Park London Road, Glasgow G32 8SL
Tel: 01236 442390

Glasgow - Cooling Water Division - Offices and Workshop

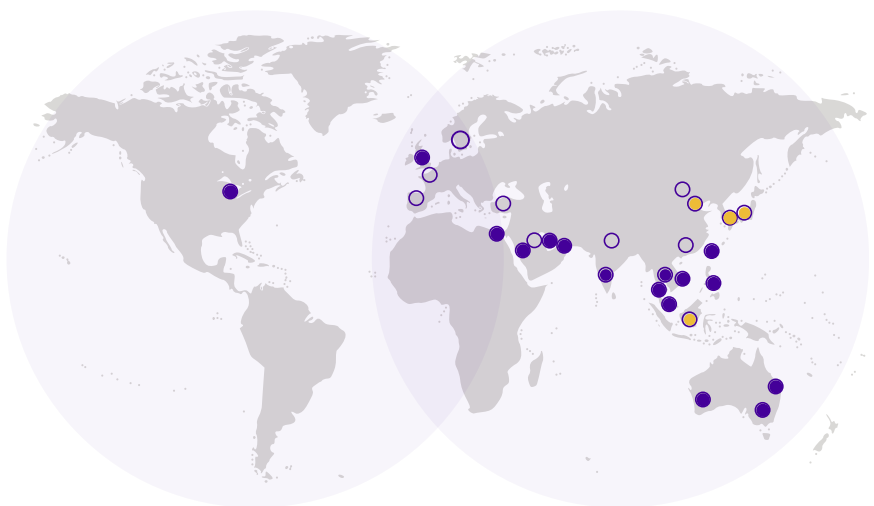
11 Russell Colt Street, Coatbridge, ML52BN
Tel: 01236 442390

Royal Leamington Spa - Fluid Power Division - Offices and Workshop

Unit 5 Berrington Road Sydenham Industrial Estate Royal Leamington Spa Warwickshire, CV31 1NB
Tel: 01926 420847

Grangemouth - Cryo Pump Repairs - Offices and Workshop

Unit 1 Barons Court Earls Gate Park, Roseland Hall, Grangemouth FK3 8BH.
Tel: 01324 485 850



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