



TRICEL
GENERATIONS OF INNOVATION

CASE STUDY

50 custom one-piece water tanks for London project

Project Information

Client: J. Pao and Co. Ltd

Industry: Food Production, Agriculture

Contractor: Tricel Water

Project: To manufacture and install 50 custom one-piece GRP water tanks for J. Pao and Co. Ltd's new food production facility.

TANK DIMENSIONS: 2000 x 1200 x 1100mm

Challenge: The project faced a tight timeline, restricted access, strict hygiene requirements, and unique maintenance demands.

Timeline: Project Completion: Q3, 2025

Current Project Status: Tanks in Final Installation Phase & Sign Off

Solutions

Tricel Water manufactured and installed 50 custom-built GRP one-piece water tanks (dimensions: 2000 x 1200 x 1100mm). Each tank was hygienic, corrosion-resistant, WRAS-approved, and designed with dual manways for safe and easy access.

Support provided:

Tricel's sales, technical, and engineering teams worked in close collaboration, providing full design consultation to address site-specific access, hygiene, and maintenance needs, while maintaining ongoing communication with the client throughout the specification and delivery phases.

Results

All 50 tanks were successfully delivered and installed, received highly positive client feedback, and are now fully integrated as a central component of the new facility's operations.

Smart Engineering Solutions for Modern Food Facility Demands

Launching a food production facility demands rigorous attention to detail, particularly when it comes to hygiene, operational efficiency, and system reliability. With J. Pao & Co. Ltd, the water storage system was a core piece of infrastructure impacting compliance, daily operations, and maintenance. As the summer 2025 completion approached, the project's layers of complexity became clear: the delivery and installation needed to align precisely with the construction schedule; the limited internal access demanded meticulously planned tank design and transport; the food-grade environment required WRAS compliance and design features that enabled easy cleaning and inspection; and the long-term maintenance expectations meant Tricel had to deliver with both durability and minimal downtime in mind.

Setting the Standard:

Excellence Defined: A Straightforward Brief for Challenging Environments



J. Pao's project brief was explicitly defined and exacting, calling for 50 one-piece GRP cold water storage tanks built to precise dimensions of 2000 × 1200 × 1100 mm. Each unit needed to be WRAS-approved, corrosion-resistant, and tailored to overcome spatial restrictions while meeting hygiene and maintenance standards. The solution needed to deliver reliability in a demanding operational environment, with minimal operational interference—an uncompromising set of requirements that Tricel met with precision.

CONFIDENCE IN EVERY DECISION: WHY CUSTOMERS CHOOSE TRICEL

J. Pao & Co. Ltd selected Tricel Water for this endeavour on the strength of proven technical capability, extensive industry experience, and a collaborative approach to project delivery. With over 30 years of consistent supply and service excellence, Tricel demonstrated a reliable track record of delivering bespoke, high-quality engineering solutions. The ability to custom-manufacture tanks to exact specifications was a critical advantage in meeting the facility's unique space and operational limitations. The use of WRAS-approved GRP ensured the hygienic integrity required in food-grade applications. Throughout the project, Tricel maintained a flexible, responsive design process, working closely with the client to adjust tank specifications as site conditions evolved. A prior positive partnership (formerly Dewey Waters Ltd.) further reinforced J. Pao's confidence in Tricel's capabilities.

TAILORED TO PREFORM A BESPOKE WATER STORAGE SOLUTION



Delivering more than standard equipment, this project demanded an engineered solution that mirrored the facility's stringent performance, hygiene, and practicality demands. Tricel approached the project with an unwavering commitment to precision and client partnership, ensuring each tank adhered to regulatory standards and integrated seamlessly with the plant's infrastructure. With deep knowledge of food industry rigours, Tricel architected a robust solution featuring 50 custom one-piece GRP tanks, each incorporating dual manways for hygiene and maintenance efficiency, WRAS-approved materials for compliance, corrosion-resistant construction to ensure durability, and exacting design to navigate tight site constraints.



Smooth Teamwork, Accurate Results

The success of this project stemmed from exceptional collaboration between Tricel Water and J. Pao & Co. Ltd. Tricel's dedicated project team—which included roles in sales, technical leadership, and engineering—worked in unison with the client's site engineers and contractors from initial planning through final installation. Through detailed design consultations, the team addressed spatial limitations, hygiene imperatives, and maintenance logistics. Clear, ongoing communication maintained alignment during specification and manufacturing, while phased deliveries from Tricel's UK facility matched site readiness, ensuring smooth integration. The inclusion of dual manways in each tank underlined Tricel's innovative solutions, enabling safer and more efficient internal access and minimizing operational disruption in a food-grade setting.

The outcome spoke to Tricel's technical precision and project management excellence. Fifty custom GRP water tanks were delivered and installed precisely to schedule, aligning with J. Pao's construction timeline without delay. The tanks are now fully operational, supporting daily production and meeting strict hygiene protocols. Client feedback has been glowing, with specific appreciation for the thoughtful design, reliable delivery, and dependable performance. The success of the project solidified a strengthened working relationship, reinforcing trust in Tricel's ability to deliver complex, high-specification water storage systems.



"We were impressed by Tricel's ability to design tanks around our exact layout. The tanks are a central part of our new plant, and we're very happy with the results."
— Client Representative, J. Pao & Co. Ltd

This case exemplifies Tricel Water's capability to deliver bespoke, hygienic, and durable water storage solutions, even under demanding conditions. Through close collaboration, design rigor, and unwavering quality standards, Tricel enabled J. Pao to bring their facility online—on time, to specification, and fully compliant with food manufacturing standards. If you're planning a project requiring engineered water storage excellence, contact Tricel Water today to explore how we can support your success.

From Vision to Results: A Seamless Execution



The outcome of the project was a clear success. All 50 custom-designed GRP water tanks were delivered and installed precisely on schedule, aligning seamlessly with the construction timeline of J. Pao's new facility. Once in place, the tanks were fully integrated into the plant's operations, where they now play a vital role in supporting daily production and hygiene standards.

Client feedback has been overwhelmingly positive, with particular praise for the thoughtful design, reliable delivery, and overall performance of the tanks. The collaboration between Tricel and J. Pao not only met expectations but also laid the foundation for a strengthened long-term partnership.

Client Feedback

"We were impressed by Tricel's ability to design tanks around our exact layout. The tanks are a central part of our new plant, and we're very happy with the results."

— Andrew, J. Pao and Co. Ltd



**Contact us today to
discuss your project
needs.**

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