



GOVERNMENT PROJECT

Singapore General Hospital Redevelopment

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*Ministry of Health Singapore
Penta-Ocean Construction Co.Ltd*

Officially launched with a groundbreaking ceremony on 21 January 2020, the Singapore General Hospital redevelopments are slated for completion this year (2026). By creating a centre that focuses on non-emergency surgeries, this ideally frees up resources in the main hospital for emergency cases and complex procedures. The \$886 million (SGD) development houses the new National Dental Centre Singapore (NDCS), which leverages advanced technologies to provide more efficient, high-quality patient care, with design considerations tailored to the needs of elderly patients alongside the Elective Care Centre (ECC), developed by Penta-Ocean Construction Co. Ltd. and designed by DP Architects, as a purpose-built medical facility located within the Singapore General Hospital (SGH) campus.

With the construction of ECC and NDCS establishing a key urban axis to achieve a fully integrated, patient-focused medical campus, by moving high-volume services closer to Outram Park MRT station, placing a significant emphasis on connectivity and accessibility in the region.

Both facilities form a key part of Singapore General Hospital's broader Master Plan, supporting the planned expansion and future readiness of its healthcare infrastructure and services.

Well-established in the region, APP Engineering were appointed HVAC-R contractors and plumbing contractors to the redevelopment of the SGH.

MM Kembla supplied Kembla copper tube for the ECC and NDCS development, backed by a project warranty, ensuring the highest levels of reliability and traceability throughout installation and operation.

The Ministry of Health (MOH) specifies Kembla copper for Singapore's healthcare facilities for our coppers continued delivery of predictable and durable solutions at scale and particularly in the healthcare domain,

"Patient safety is always our top priority. Kembla copper tube offers proven long-term reliability and audit comfort built in. This proves critical in all our high-risk healthcare environments."

Kembla copper as a solution, reduced project complexity, helped ensure efficient installation and assisted APP Engineering in delivering a fit-for-purpose integrated piping system across the precinct, efficiently supporting both operational excellence and patient-centric care for the SGH campus.

By leveraging Kembla's copper tube project-specific warranty, well-renowned Japanese contractor Penta-Ocean will minimise risk, particularly with safe and hygienic transmission of medical gases, medical suction and vacuum lines and therefore provide long-term performance assurance across the project.

Penta-Ocean took advantage of Kembla's fixed copper price agreement in their proposal, allowing the Singapore MOH to lock in pricing for copper tube supply and enabling accurate budgeting across the full lifespan of the project proving as an invaluable advantage amid the on-going volatility and unpredictability of global copper prices.

By using Kembla copper tube, the ECC and NDCS project benefits from:

- **Proven, long-term reliability** across high-demand medical services
- **Maintain hygienic transmission** to patients, **preventing gas contamination and spontaneous combustion** of residual lubricant under pressure
- **Enhanced patient safety and compliance** through material traceability
- **Reduced lifecycle risk and maintenance complexity**
- Support from MM Kembla including **technical guidance, fixed copper pricing and project warranty**

Furthermore, Penta-Ocean, described the choice of Kembla copper tube critical because of its low-risk, durability, and proven nature as piping solution, making it suitable for their large-scale medical facilities where patient safety, compliance, and lifecycle certainty are paramount.

Ultimately, the project offers compelling lessons for global healthcare leaders navigating ageing populations, capacity pressures and the urgent need to future-proof critical infrastructure for decades to come.

For more information or to discuss MM Kembla's range of integrated piping systems, project warranties, or on-site training and technical assistance, get in touch via the relevant contact information on the following pages or via our Contact Us website page.

Project Overview

Client: Ministry of Health, Singapore
Developer/Builder: Penta-Ocean Construction Co.Ltd
Installer: APP Engineering

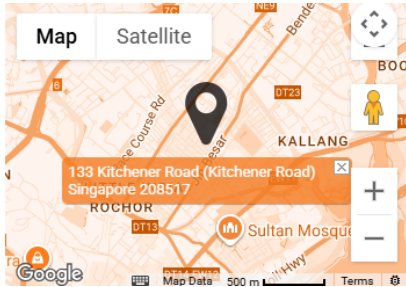
Project Location: Outram district, Singapore
Project Value: SGD 886 million
Status: Completion 2026



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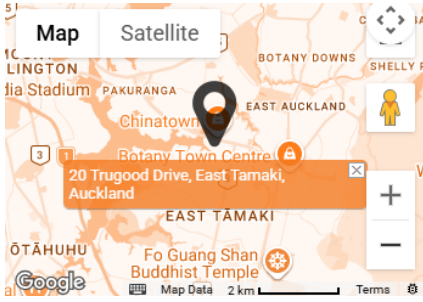
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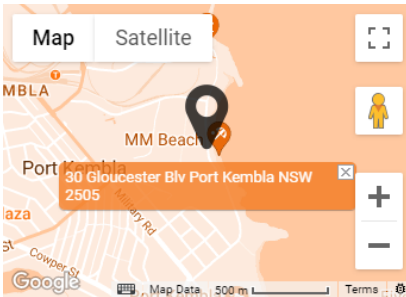
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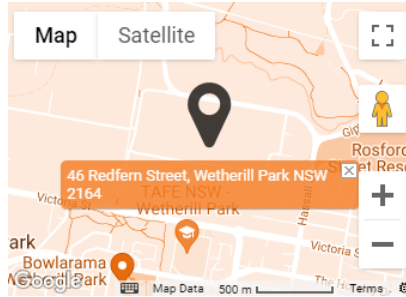


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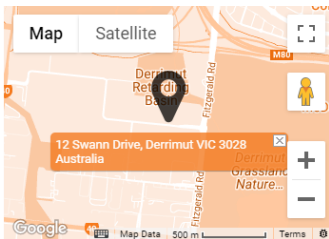


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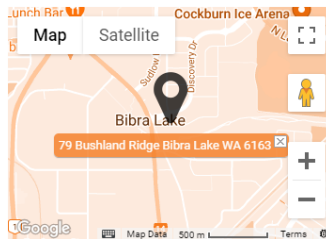


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