

Hitachi Rail Awarded Contract to Deliver Advanced Signalling and SCADA Solutions in Taipei – Keelung metropolitan MRT

The project will transform the Taipei–Keelung metropolitan railway system, supporting the region's growing urban transportation need

- Hitachi Rail to deliver its advanced SelTrac™ Communications-Based Train Control (CBTC) signalling system and Supervisory Control and Data Acquisition (SCADA) solutions for the new Xizhi–Donghu (Xidong) and Nangang– Badu (Keelung) MRT line in northern Taipei.
- The Xidong–Keelung MRT line covers 22 kilometers, 16 stations, 23 trains, and 1 depot.
- The project strengthens Hitachi Rail's longstanding partnership with the New Taipei City Government's Department of Rapid Transit Systems (NTCG DORTS).



Taipei, July 2, 2025: Hitachi Rail has been awarded a contract by Gamuda, the prime contractor for the New Taipei City Government's Department of Rapid Transit Systems (NTCG DORTS) to deliver its state-of-the-art SelTrac™ Communications-Based Train Control (CBTC) and SCADA solutions powered by ALVEA™ for the Xizhi–Donghu (Xidong) - Nangang– Badu (Keelung) MRT project that will connect, New Taipei City and Keelung City.

This new metro line is a significant addition to the Taipei–Keelung metropolitan system, designed to enhance connectivity and support the region's growing urban transportation needs. The alignment will connect Taipei City and New Taipei City Xizhi District, providing a seamless transit option for commuters and reducing reliance on private vehicles. As part of New Taipei City's substantial infrastructure initiative, the project aims to address the growing demands of the urban populace while contributing to sustainable mobility.

The Xidong–Keelung MRT project will cover 22 kilometers, feature sixteen stations, fourteen trains and one depot, and is set to play a pivotal role in the region's urban transportation network.

Hitachi Rail's involvement introduces innovations to Taipei's urban transit network. The project will deploy SelTrac™ CBTC technology, a modern urban signalling system that uses wireless communication between trains and infrastructure to operate urban transit more efficiently and safely than conventional signalling. This technology will be equipped with the latest features including advanced communication systems, private cloud-based signalling and train control supervision, to improve overall system efficiency and reliability. Furthermore, advanced telemetry and data analytics will enhance automation and enable predictive maintenance, ensuring the future maintainability and operational excellence of the system.

This project involves the implementation of a SCADA (Supervisory Control and Data Acquisition) system leveraging the product ALVEA™, offering key benefits such as modularity, scalability, maintainability, and cloud readiness. ALVEA™ enables a seamless edge-to-cloud data flow, providing operators with remote access to insights via a unified portal or operational centers, improving flexibility and responsiveness.

This contract builds on Hitachi Rail's successful partnership with NTCG DORTS, following collaborations on Taipei's Light Rail Transit (LRT) projects the Circular Line and Sanying MRT lines. Hitachi Rail's advanced signalling and SCADA solutions will ensure safe, efficient, and reliable operations, further enhancing the passenger experience. The company remains committed to supporting future extensions and contributing to the long-term development of Taipei's transportation network.

"We are pleased to reaffirm our commitment to delivering high-quality solutions to the New Taipei City Government DORTS, in partnership with Gamuda," said Cyrille BATAILLE, Chairman and CEO, Hitachi Rail Taipei.

"We are excited to partner with Hitachi Rail on this opportunity and identify Hitachi Rail as key partner in Taiwan and the region," said Eric Foong, Regional Director, Gamuda Berhad.

Hitachi Rail remains dedicated to driving sustainable mobility and delivering world-class solutions that benefit passengers, customers, and communities. This latest project underscores its commitment to supporting Taipei's urban transportation evolution.

About Hitachi Rail:

Hitachi Rail is committed to driving the sustainable mobility transition and has a clear focus on partnering with customers to rethink mobility. Its mission is to help every passenger, customer and community enjoy the benefits of more connected, seamless and sustainable transport.

With revenues of over €7bn and 24,000 employees across more than 50 countries, Hitachi Rail is a trusted partner to the world's best transport organisations. The company's reach is global, but the business is local - with success built on developing local talent and investing in people and communities.

Its international capabilities and expertise span every part of the urban, mainline and freight rail ecosystems – from high quality manufacturing and maintenance of rolling stock to secure digital signalling, smart operations and payment systems.

Hitachi Rail, famous for Japan's iconic high speed bullet train, draws on the digital and AI expertise of Hitachi Group companies to accelerate innovation and develop new technologies. Hitachi Group's revenues for FY2024 (ended March 31, 2025) totaled €581.6 bn / ¥9,783.3 bn, with 618 consolidated subsidiaries and approximately 280,000 employees worldwide.

Find out more by visiting hitachirail.com

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