

Hitachi Rail to accelerate rail digital transformation with Google Cloud

Collaboration relies on Google Cloud's Cybersecurity and generative and agentic AI technology to drive operational excellence and advance autonomous trains



Tokyo, Japan / Mountain View, CA, U.S.A. December 2, 2025 Hitachi Rail is leveraging Google Cloud's, cybersecurity and artificial intelligence (AI) technologies to accelerate innovation, enhance operational productivity, and advance the rail sector's transition toward autonomous, sustainable mobility

This collaboration is directly aligned with Hitachi Rail's vision, which views the convergence of the digital and energy transitions as a defining opportunity to develop a modal shift towards rail and achieve global leadership.

This technical collaboration builds on the [strategic alliance between Hitachi and Google Cloud](#), announced in October 2025, to accelerate enterprise innovation with generative AI and now agentic AI. It brings together Hitachi Rail's extensive expertise in railway systems through developing HMAX globally, GlobalLogic's deep digital engineering and AI capabilities, and Google Cloud's AI technology.

Accelerating Digital Transformation for Sustainability

The collaboration is focused on deploying Google's leading cloud, cybersecurity and generative AI capabilities, such as Google Cloud's Vertex AI platform, to address Hitachi's ambition to lead the digital transformation of critical industries such as rail [through physical AI](#). This effort is guided by the core philosophy [articulated](#) by Hitachi Rail's Group CEO Giuseppe Marino: "Sustainability is the destination—digital is how we'll get there."

“Our collaboration with Google Cloud will enable us to harness their leadership in digital and AI technologies to meet our strong ambitions regarding digital transformation in rail and develop for our customers optimized and energy-efficient solutions,” said Marino. “In this way we will continue to develop rail as the core of future Mobility schemes.”

“Hitachi Rail is a pioneer in operational technology, and our partnership combines that deep domain expertise with the power of Google Cloud’s generative AI and agentic technology. This collaboration will unlock new levels of efficiency for their teams today. Working as One Hitachi with GlobalLogic and the Strategic SIB Business Unit, we are committed to achieving a truly autonomous rail network tomorrow,” Marino continued.

Andrea Williamson, Director, Retail, Consumer and Travel, Google Cloud UKI, said: “Hitachi Rail is a pioneer in operational technology, and our collaboration combines that deep domain expertise with the power of Google’s generative AI and agentic technology. This collaboration will unlock new levels of efficiency for their teams today and lay the critical foundation for a truly autonomous rail network tomorrow.”

This latest relationship with Google Cloud builds on the Hitachi Group’s focus to harness the power of AI infrastructure, including through its Lumada 3.0 solutions.

About Hitachi, Ltd.

Through its Social Innovation Business (SIB) that brings together IT, OT(Operational Technology) and products, Hitachi contributes to a harmonized society where the environment, wellbeing, and economic growth are in balance. Hitachi operates globally in four sectors – Digital Systems & Services, Energy, Mobility, and Connective Industries – and the Strategic SIB Business Unit for new growth businesses. With Lumada at its core, Hitachi generates value from integrating data, technology and domain knowledge to solve customer and social challenges. Revenues for FY2024 (ended March 31, 2025) totaled 9,783.3 billion yen, with 618 consolidated subsidiaries and approximately 280,000 employees worldwide. Visit us at www.hitachi.com.

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) totalled €581.6 bn / ¥9,783.3 bn, with 618 consolidated subsidiaries and approximately 280,000 employees worldwide.

Information contained in this news release is current as of the date of the press announcement, but may be subject to change without prior notice.
