

News Release

FOR IMMEDIATE RELEASE

Hitachi Energy to secure power exchange between Sardinia and Corsica and mainland Italy

- HVDC technology will transmit renewable power underwater, connecting the Mediterranean islands with Italy's mainland
- Multi-terminal HVDC of strategic importance for Europe will make the electricity system even more efficient, reliable, and sustainable



HVDC Light® Valve Hall

Zurich, May 31, 2024 – Hitachi Energy has been selected by Terna, the Italian Transmission System Operator, and EDF, the integrated French energy company, to provide high-voltage direct current (HVDC) technology to increase the supply and improve the flow of electricity over the connection between Italy's mainland grid and the islands of Corsica and Sardinia.

The interconnection, named Sa.Co.I.3 (a contraction of Sardinia – Corsica – Italy) will replace in full the existing equipment with advanced HVDC technology and increase the power to 400-megawatt (MW) over a bipolar, multi-terminal scheme. The new connection will make the electricity system more efficient, reliable, and sustainable for the large mediterranean islands and Tuscany.

Sa.Co.I.3 is part of the EU list of Projects of Common Interest (PCI)¹ being of strategic importance for Europe and its islands.

“We are excited to have been selected by EDF and Terna to develop the Sa.Co.I.3 project and help to secure the power for the people living on these islands,” said Niklas Persson, Managing Director of Hitachi Energy's Grid Integration business. “This order continues our increased focus on HVDC technology while collaborating with the best civil contractors to provide our customers with the ideal solution.”



Hitachi Energy will provide its HVDC Light® solution, based on VSC (voltage source converter) technology, which converts alternating current (AC) to direct current (DC) for efficient, long-distance, underwater transmission and DC to AC where the electricity is returned to the grid.

Hitachi Energy is collaborating with Pellegrini and Razel-Bec to provide the civil and installation scope of the project. The collaboration will leverage the core competencies of Hitachi Energy and the two companies to deliver an industry-leading solution for the project.

Multi-terminal HVDC systems, links with more than two converter stations, are in high demand as a key enabler to support the energy transition. Hitachi Energy is a world leader in the implementation of these advanced systems and is expected to play a significant role in the energy transition worldwide, especially in Europe as the continent evolves toward large DC grids.

1 <https://www.terna.it/en/projects/projects-common-interest>

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About Hitachi Energy

Hitachi Energy is a global technology leader that is advancing a sustainable energy future for all. We are advancing the world's energy system to be more sustainable, flexible and secure and we collaborate with customers and partners to enable a sustainable energy future – for today's generations and those to come. Hitachi Energy has a proven track record and unparalleled installed base in more than 140 countries, serving customers in utility, industry, transportation, data centers and infrastructure sectors. With innovative technologies and services including the integration of more than 150 gigawatts of HVDC links into the power system, we help make the energy value chain more efficient, making electricity more accessible to all. Together with stakeholders across sectors and geographies, we enable the digital transformation required to accelerate the energy transition towards a carbon-neutral future. Headquartered in Switzerland, we employ around 45,000 people in 90 countries and generate business volumes of around \$13 billion USD.

<https://www.hitachienergy.com>

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About Hitachi, Ltd.

Hitachi drives Social Innovation Business, creating a sustainable society through the use of data and technology. We solve customers' and society's challenges with Lumada solutions leveraging IT, OT (Operational Technology) and products. Hitachi operates under the 3 business sectors of “Digital Systems & Services” – supporting our customers’ digital transformation; “Green Energy & Mobility” – contributing to a decarbonized society through energy and railway systems, and “Connective Industries” – connecting products through digital technology to provide solutions in various industries. Driven by Digital, Green, and Innovation, we aim for growth through co-creation with our customers. The company’s revenues as 3 sectors for fiscal year 2023 (ended March 31, 2024) totaled 8,564.3 billion yen, with 573 consolidated subsidiaries and approximately 270,000 employees worldwide. For more information on Hitachi, please visit the company's website at <https://www.hitachi.com>.

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.
