

To all members of the press

November 7, 2024
Tokyo Boeki Holdings Corporation

TB Global Technologies

Loading Arms for CO₂ Transport Technology Development and Demonstration Projects under NEDO

TB Global Technologies Ltd. (28F, Kyobashi Edogrand, 2-2-1 Kyobashi, Chuo-ku, Tokyo; President: Laurent Poidevin; hereinafter "TBG"), a group company of Tokyo Boeki Holdings Corporation, delivered loading arms for onshore facilities for the "Demonstration Test on CO₂ Transportation / Technology Development and Demonstration Test on CO₂ Marine Transportation"* , which Japan CCS Co., Ltd. (JCCS) was commissioned by New Energy and Industrial Technology Development Organization (NEDO). The product is now in use of the technological development and demonstration test under "low temperature and low pressure "**. This technology development and demonstration project are the world's first demonstration test of liquefied CO₂ transport by ship at low temperature and low pressure.



JCCS started a demonstration test using the TBG loading arm in Tomakomai on October 7-9. This demonstration test was conducted under lower temperature and pressure conditions than typical liquefied CO₂ transport conditions (-20°C or lower, 2.0 MPa or lower).

TBG will contribute to social implementation of liquefied CO₂ transportation under "low temperature and low pressure" conditions through loading arms.

* Demonstration Test on CO₂ Transportation / Technology Development and Demonstration Test on CO₂ Marine

Transportation: Aiming at the social implementation of CCUS around 2030, the project will conduct research and development of transportation technology that leads to long-distance, mass transportation and cost reduction of one million tons of CO2 per year from supply point to utilization/storage point, as well as conduct demonstration tests and related investigations to establish liquefied CO2 transportation technology.

**Temperature and pressure conditions lower than the temperature and pressure conditions of liquefied CO2 applied domestically and internationally (-20°C/2.0 MPa, referred to as "medium temperature and medium pressure").

TBG's Cutting-Edge Loading Arm Technology

TBG's loading arms have a long track record of handling liquefied gases under low-temperature conditions, such as LNG. Utilizing its cutting-edge technology, TBG is currently participating in projects to develop low-temperature cargo handling technology for ammonia and liquefied hydrogen. TBG will continue to contribute to the realization of a decarbonized society by developing and implementing technologies that will enable a decarbonized society.

TB-NIIGATA TB Global Technologies Ltd. HP <https://www.tbgtech.co.jp/>

For inquiries, please contact

Mayumi Sumita, Corporate Communications Dept., Tokyo Boeki Holdings Corporation
27F Kyobashi Edoguran, 2-2-1 Kyobashi, Chuo-ku, Tokyo 104-0031, Japan
tel:03-6841-8334 mail:Sumita.Mayumi@tokyo-boeki.co.jp



About Tokyo Boeki Group

(27F, 2-2-1 Kyobashi Edoguran, Chuo-ku, Tokyo; President: Shusuke Tsubouchi), an independent corporate group consisting of 17 companies, 16 domestic and overseas operating companies with rich individuality, and celebrating its 76th anniversary since its establishment in 1947.



With the "spirit of management by all" as our core value, we aim to become a group that continues to provide new value to the world by synergistically enhancing the presence and competitiveness of the entire group while each group company conducts its own independent corporate activities.

Tokyo Boeki Group will continue to innovate under a free and vigorous culture, without fear of change, and contribute to the realization and sustainability of a better society in which all stakeholders can lead safe and secure lives, economies, and social activities.

<https://www.tokyo-boeki.co.jp/>