

Presenter



Mr. Masakazu Sakakida Chairman of the Board, President & CEO



This presentation outlines Chiyoda Corporation's (Chiyoda) business overview for the second quarter of the fiscal year ending March 31, 2024, released on November 2, 2023.





The following is the progress made towards achieving the priorities of the Revitalization Plan listed below, through the first half of FY2023 since its launch in 2019:

- 1. Strengthen Chiyoda's financial position by generating stable profits through the planned execution of ongoing projects.
- 2. Accelerate the transformation of the business portfolio, accumulating orders mainly in the decarbonization field and accelerate new business initiatives, including commercialization of the hydrogen business.





New orders in the first half of the year totaled 134.8 billion yen. Orders received are largely as planned at 45% of the full-year target, predominantly from increased orders in Japan's decarbonization and life science fields which demonstrate strong appetites for capital spending.

Chiyoda will continue to transform its business portfolio in FY2023 2H, cultivating new business fields such as decarbonization, life sciences and advanced materials in Japan, while securing promising projects overseas, including related to decarbonization.





The project was handed over to the client in August 2023 and the first LNG cargo was shipped in October.

With an annual LNG production capacity of 3.8 million tons, this large-scale plant will contribute to the stable supply of energy in Indonesia and Japan.



Construction is ongoing and equipment installation has commenced.

As a member of an economic mission, I accompanied Japan's Prime Minister Kishida on his visit to three Middle Eastern countries in July 2023.

I had an audience with Emir Tamim in Qatar, who offered encouraging statements regarding the continued steady progress of the project and shared his expectations for the future.



Engineering and procurement are in the final stages on Golden Pass LNG in the USA and construction is ongoing.

Construction is at its peak on the copper smelting plant project in Indonesia, with completion scheduled for 2024.





Two contracts to install large-scale battery energy storage facilities were awarded to Chiyoda in Hokkaido and Chiba prefectures by ENEOS Corporation and construction is ongoing.

Battery energy storage will be crucial to resolving issues in expanding the introduction of renewable energy, such as stabilizing the power supply and demand balance and power output fluctuations.

We will continue contributing to the realization of a decarbonized society by leveraging our experience in this field, including the early completion of one of the world's largest battery energy storage facilities.



An EPC contract for a polyvinylidene fluoride (PVDF) production facility was awarded by Kureha Corporation, one of their largest investments ever.

PVDF is a key material for lithium-ion energy storage batteries and demand is expected to increase in the automotive market.

The project enables Chiyoda to contribute to the domestic production and supply of energy storage batteries.



I introduced Chiyoda's hydrogen business initiatives during a speech at 'Yomiuri Carbon Neutral Day' on August 30, 2023.

Chiyoda implements cost reduction initiatives, promotes multilateral endeavors and identifies business opportunities at every stage of the hydrogen value chain, comprising production, storage & transportation, distribution & consumption.



Chiyoda has commenced plantOS[™] services.

We provide Operation & Maintenance solutions by uniting Chiyoda's advanced diagnosis and analysis service expertise with the latest digital technologies, and by leveraging the collective strength of the Group in collaboration with the group company 'Chiyoda X-ONE Engineering Corporation'.

We contribute to 'Business Safety' by resolving problems such as labor shortages, obsolete facilities and technical succession.





Chiyoda promotes 'Cleaner LNG' towards realizing its carbon neutrality goals declared in April 2022.

Cleaner LNG reduces CO_2 emissions and is a significant development concept for the future of LNG, where demand is increasing as a transition energy source towards a stable energy supply. By promoting Cleaner LNG, Chiyoda is working to reduce CO_2 emissions in Scope 3 of the supply chain.

Two examples are: the NFE LNG project in Qatar, where Chiyoda is working to reduce CO_2 emissions by 25% during operation compared to previous levels by introducing a large CCS facility and Freeport LNG in the USA, where 48% CO_2 emissions reduction has been achieved during operation by introducing electric motor drives for refrigerant compressors in lieu of conventional gas turbine drivers.



In August 2023, Chiyoda Group defined 'Enriching Society through Engineering Value', as our new corporate purpose towards achieving sustainable growth and as a guideline for all stakeholders regarding the direction of our Group.

'Enriching Society through Engineering Value' also reflects the commitment of all our employees in applying the Group's engineering and technological expertise to resolve social problems and realize a decarbonized society, for a more prosperous, higher quality of life.

Using our new purpose as a guiding principle, all employees move in the same direction, successfully completing the fiveyear plan to enter a new phase of innovation and growth.

