

# NEWSLETTER

## VOLUME. 14

### OFFSHORE WIND PROJECT



### MOU WITH HAEWOORI OFFSHORE WIND

Haewoori Offshore Wind and HSG SUNGDONG signed a Memorandum of Understanding (MOU) on January 26th for collaborative participation in the Ulsan offshore wind project. Haewoori Offshore Wind is a joint venture entity formed by CIP (Copenhagen Infrastructure Partners), a global renewable energy investment organization and COP (Copenhagen Offshore Partners Korea), a offshore wind power developer.

The MOU ceremony, attended by representative officials such as CEO of HSG SUNGDONG Lee Jin-sang, Director of CIP Jonas Bogelund and CEO of Haewoori Offshore Wind Jonathan Spink signified a close partnership commitment for the successful completion of the HAEWOORI project.

(Continued on the next page)

## OFFSHORE WIND PROJECT



### MOU WITH HAEWOORI OFFSHORE WIND

HAEWOORI Offshore Wind was the first company submitted an Environmental Impact Assessment (EIA) to the Ministry of Environment and the Ministry of Trade and Industry, taking the lead among the participating developers in Ulsan floating offshore wind farm.

HAEWOORI Offshore Wind is poised to embark on the construction of a 1.5 GW-scale wind farm and the project's goal is to generate and cater electricity for the energy demands of around 1.4 million households.

An official from Haewoori Offshore Wind expressed a commitment to developing the domestic offshore wind market and the supply chain, including close collaboration with the relevant authorities and local fishermen in Ulsan region.

The recent initiatives such as organizing the 'Drawing Sea of Ulsan competition' reflects the company's active engagement with the local community.

The event signifies HSG SUNGDONG's successful transformation from the shipbuilding to the offshore wind farm industry as a leading player, leveraged its accumulated experience in building over 250 ships.

(Continued on the next page)

## OFFSHORE WIND PROJECT



### MOU WITH HAEWOORI OFFSHORE WIND

With a vast yard spanning 1.2 million square meters, a straight quay extending 2 kilometers and state-of-the-art factory facilities, HSGSD has positioned itself as a successful entity as a supplier of offshore wind foundations.

From 2020 to 2022, HSGSD secured and delivered 19 offshore wind foundations for the Ørsted Changhua 1 project from Hyundai Steel. In 2023, HSGSD had successfully produced and delivered an offshore wind installation vessel, the Hyundai Frontier weighing 14,000 tons. In May 2023, HSGSD secured a contract for the supply of offshore wind power foundations from Ørsted, showcasing its stability and competence in the market.

With a commitment to contributing in various offshore wind farm projects, HSGSD's representative stated that the company aims to transform into a global renewable energy corporation collaborating with CIP/COP.

Through out the signed MOU, the mutual parties are anticipated to enhance technological and competitive capabilities in the pursuit of successful floating offshore wind power projects, realizing carbon neutrality and reducing greenhouse gas emissions.

## OFFSHORE WIND PROJECT



TRANSITION PIECE



JACKET LOWER BRACE ASSEMBLY

### SIMULTANEOUS FABRICATION

HSGSD is making a smooth progress in the production of Jackets for the Ørsted CHW2204 project. In January 2024, the final coating of the first Transition Piece was successfully completed along with the undergoing initial coating of the second Transition Piece.

Concurrently, the assembly of the components for both Lower-Leg and Upper-Leg of the Jackets are in progress.

Suction Bucket assembly is also underway, serving as a process to continuous accumulation of technical expertise and the know-hows dedicated to ensuring stability and reliability of the products.

The production process involves simultaneous, sequential, and continuous production. This approach aims to achieve efficient and economical production, demonstrating technical prowess and experience to establish a concrete background for HSGSD's future growth and technical development.

## OFFSHORE WIND PROJECT

### SIMULTANEOUS FABRICATION



HSGSD remains committed to continuous innovation, striving to provide excellent products and services.

HSGSD will make ongoing efforts to enhance product quality and ensure successful completion through various initiatives, aiming to elevate clients' trust and satisfaction.

## LPG TANK PRODUCTION



### Product information

- **Size: 38.4m x 33.04m x 20.3m**
- **Volume: abt 22,000m<sup>3</sup> / UNIT**
- **Class: NK, LR, DNV, ABS**
- **Tank Material: LT, LT-A**
- **Weight: abt 1,350 Ton / UNIT**

## COMMITTED TO MEET GROWING DEMAND

HSGSD is actively involved in producing various types of LPG (Liquefied petroleum gas) and LNG (Liquefied natural gas) tanks catering to a diverse range of applications.

In a noteworthy achievement of previous year, HSGSD had successfully completed a two-year project, delivering 22 units of LPG tanks ordered by Hyundai Samho within the specified timeframe without encountering any significant issue in the process.

The owners of LPG tanks supplied by HSGSD include prominent entities such as MITSUI, EVALEND, Hyundai LNG, SK Shipping, EPS, and GLOVIS. HSGSD is currently in discussions for upcoming projects, showcasing its continuous commitment to expanding portfolios in the industry.

The operations encompass a comprehensive range of services such as Cutting, Sub-assembly, Assembly, PE, Painting, Insulation, Inspection and Delivery that ensures the safety and functionality of the tanks.

HSGSD is committed to quality improvement and on-time delivery to further enhance clients' satisfaction in the market and will continue strengthening its capabilities for swift responsiveness to the evolving clients' needs.

## HSE ENHANCEMENT



### CONFINED SPACE RESCUE DRILL

On January 5th, HSGSD's Offshore Wind Safety Team in collaboration with the Environmental Safety Team conducted a confined space rescue drill at the Suction Bucket's Center Column area simulating a scenario involving asphyxiation.

This drill was aimed to practice the rescue procedures for individuals in case of an asphyxiation incident in the sealed area.

The exercise took place with the oversight of the Client ensuring a thorough and realistic simulation. Subsequently, a debriefing session was conducted to discuss lessons learned, noteworthy observations, and areas for improvement.

HSGSD continues to prioritize safety measures and proactive training to secure safe working environment, aligning with industry standards and best practices.

### REGULAR RISK ASSESSMENT

In accordance with Article 36 of the Industrial Safety and Health Act, HSGSD conducted regular risk assessments for 14 departments and 45 divisions involving the employees.

Led by the Risk Assessment Team at HSGSD, the team conducted periodic risk assessments for employees in the production department to identify critical risks and successfully addressed a total of 54 potential risk factors.

Moreover, the team extended its efforts by conducting and overseeing risk assessments for 27 sub-contractors, to further ensure the supervision of risk assessments.

This proactive approach demonstrates HSGSD's commitment to maintaining a safe and healthy working environment by identifying and mitigating potential risks systematically.