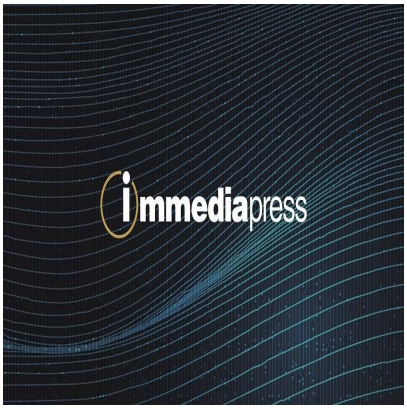

Powering global maritime decarbonization, Shanghai Electric delivers first large-scale biomethanol bunkering for international shipping

Descrizione

COMUNICATO STAMPA â?? CONTENUTO PROMOZIONALE

SHANGHAI, March 26, 2026 /PRNewswire/ â?? Biomethanol from Shanghai Electricâ??s Taonan project has been successfully bunkered onto the container vessel CMA CGM OSMIUM at Shanghaiâ??s Yangshan Port this month. The operation marks the first large-scale adoption of Chinese biomethanol by a global shipping leader, underscoring Shanghai Electricâ??s expanding of its presence in green hydrogen and next-generation fuel technologies.

Coordinated by Shanghai International Port Group from March 5 to 6, the bunkering operation was completed through a simultaneous loading and bunkering model that enables efficient coordination between cargo handling and fuel supply.

The recipient vessel, a nextâ??generation methanolâ??dualâ??fuel container ship owned by the CMA CGM Group, was fueled with biomethanol produced by Shanghai Electric, validating the companyâ??s fully integrated supply chain model spanning biomethanol production, landâ??sea intermodal logistics, and portâ??side bunkering.

Shanghai Electricâ??s Taonan project is Chinaâ??s first large-scale commercial biomethanol facility. Located in western Jilin Province, it leverages the regionâ??s abundant wind, solar, and biomass resources. The initiative integrates proprietary technologies, including oxygenâ??blown pressurized biomass gasification, flexible windâ??powered hydrogen production, and COâ??â??rich syngasâ??toâ??methanol synthesis, to create a fully integrated biomethanol production system.

Compared with conventional coalâ??based methanol, biomethanol delivers a significant reduction in fullâ??lifeâ??cycle carbon emissions, offering concrete progress toward maritime decarbonization goals. It provides the global shipping industry with a reliable green fuel option, supporting the transition to lowâ?? and zeroâ??carbon operations.

This integrated â??green powerâ??green hydrogenâ??green methanolâ?• system addresses local renewable energy consumption and biomass utilization, while offering the shipping industry a stable, efficient, and sustainable lowâ??carbon fuel. Following systematic optimization, the Taonan facility now operates continuously, producing biomethanol that meets international marine fuel standards and holds International Sustainability and Carbon Certification (ISCC EU). The initial phase has an annual output of 50,000 tons, with plans for further expansion.

â??The successful bunkering marks a breakthrough for Shanghai Electric in the fields of green hydrogen and nextâ??generation fuels. Moving forward, Shanghai Electric will continue to deepen its R&D and industrial application of biomethanol technology, strengthening collaboration with global shipping and port operators. With independently developed core technologies and fullâ??chain solutions, we are committed to contributing solid momentum to the global energy transition and pursuing carbon neutrality in the maritime industry,â?• a Shanghai Electric representative said.

Photo â??
https://mma.prnewswire.com/media/2942851/Shanghai_Electric_completes_its_first_large_scale_biometh
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