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Joint Project on "Development of Ammonia-Fueled Ship" was Adopted as Green Innovation Fund

NS United Kaiun Kaisha, Ltd.(NSU), together with ITOCHU Corporation, Nihon Shipyard Co., Ltd., Kawasaki Kisen Kaisha, Ltd., and Mitsui E&S Machinery Co., Ltd. have jointly applied for and been selected for the "Green Innovation Fund Project / Development Project for Next Generation Ships / Development of Ammonia-Fueled Ships," a project publicly announced by the New Energy and Industrial Technology Development Organization (NEDO).

In order to achieve the International Maritime Organization's strategy to reduce greenhouse gas (GHG) emissions, this project is to develop, own and operate propulsion systems and hulls ahead of other countries, using ammonia as marine-fuel which is attracting attention from various fields as a candidate for alternative fuels. The project aims to implement ammonia-fueled ships in society under Japan's leadership as early as possible by 2028, so that Japan's maritime industry can maintain its long-term advantage in the field of zero-emission ships.

Company	Role
Mitsui E&S Machinery Co.,	I. Development of ammonia fuel tank & fuel supply system
Ltd.	2. Development of technology related to ammonia-fueled engine
	3. Development of safety features specific to ammonia–fueled ship
	4. Demonstration of ammonia-fueled engine & supply system
Nihon Shipyard Co., Ltd.	I. Development of hull equipped with ammonia fuel tanks
	2. Onboard ammonia fuel handling system
	3. Onboard safety systems
	4. Verification of research and development through shipboard
	demonstration
NSU	Operational demonstration of ammonia-fueled ship
Kawasaki Kisen Kaisha, Ltd. ITOCHU Corporation	

Through the "Joint Study" framework for studying ammonia as an alternative marine fuel, established in June 2021, NSU has been studying the use of ammonia as marine-fuel. Together with the four companies involved in this joint project, NSU will continue to work toward the social implementation of ammonia, a promising zero-emission fuel, as a marine-fuel in society.

