

January 10, 2023

Daiichi Jitsugyo Won Contract from INPEX, for Ammonia Production Project Utilizing Tsubame BHB's Technology

Daiichi Jitsugyo Co., Ltd., (hereinafter “DJK”, Head Office: Chiyoda-ku, Tokyo, Japan, Representative Director, President & CEO: Ichiro Uno), a general machinery trading company, has won a contract from INPEX CORPORATION (hereinafter “INPEX”, Head Office: Minato-ku, Tokyo, Japan, Representative Director, President & CEO: Takayuki Ueda), for ammonia production equipment, which is for the demonstration test (hereinafter “the demonstration test”), integrating blue hydrogen and ammonia production and usage, planned by INPEX in Kashiwazaki City, Niigata Prefecture, Japan.

This will be the Japan's first demonstration project, which will demonstrate blue hydrogen and ammonia production from domestic natural gas, pressurized injection of CO₂ secondarily generated into a depleted subsurface gas field reservoir, and usage for power generation, as well as other purposes. The demonstration test plans to produce 500 tons of ammonia/year. The project will start production during fiscal 2025.

For ammonia production in the demonstration test, Tsubame BHB's technology will be utilized, with which DJK entered into a capital and business alliance agreement in June 2021. DJK will manage the entire project, such as provision of equipment, design of construction, and process control for ammonia production, leveraging our one-of-a-kind engineering capabilities.

Ammonia is gaining popular attention as an alternative energy without emission of CO₂. DJK will strive for the realization of a decarbonized society through our joint demonstration test, promoting Tsubame BHB's ammonia production technology.

[Reference]

News release from INPEX CORPORATION:

<https://www.inpex.co.jp/english/news/assets/pdf/20221115.pdf>

News release from Daiichi Jitsugyo Co., Ltd.:

Announcement of Capital and Business Alliance Agreement with Tsubame BHB
(dated June 2, 2021)

<https://contents.xjstorage.jp/xcontents/AS03440/935f6ec4/de86/416a/82e0/373e4eb6aa91/20210602150136722s.pdf>

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