

June 2, 2021

Announcement of Capital and Business Alliance Agreement with Tsubame BHB

Daiichi Jitsugyo Co., Ltd., (“DJK”, Head Office: Chiyoda-ku, Tokyo, Japan, President & CEO: Ichiro Uno), a general machinery trading company, has entered into a capital and business alliance agreement with Tsubame BHB Co., Ltd. (“Tsubame BHB”, Head Office: Chuo-ku, Tokyo, Japan, Representative Director CEO: Masahiro Watanabe). Under this alliance, DJK will subscribe for an allocation of new shares to a third party to be conducted by Tsubame BHB, and support Tsubame BHB’s business expansion.

Tsubame BHB is a startup company established in 2017, which strives to create practical applications for the world’s first on-site ammonia synthesis system. Tsubame BHB is proceeding with commercialization of the system based upon electrified catalyst technology, developed by Professor Emeritus Hideo Hosono’s group of Tokyo Institute of Technology, which makes it possible to produce ammonia at low temperature and pressure, and small-scale plants. Tsubame BHB’s technology enables reduction in the environmental impact of ammonia production, compared to the conventional Haber-Bosch process.

Ammonia is gaining popular attention, as alternative energy with no emission of carbon dioxide, not only as raw materials for agricultural fertilizers, chemical products, and pharmaceuticals. Also, ammonia is notable as a hydrogen carrier for the transportation and storage. The demand for ammonia is anticipated to increase further in the future.

DJK will continue to work towards the realization of a decarbonized society, by promoting the popularization of Tsubame BHB’s ammonia technology with low environmental impact, through DJK’s extensive global network as well as engineering capabilities.

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