

TOYO to commence a Feasibility Study for Green Ammonia production in Indonesia

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TOYO Engineering Corporation (TOYO, President and CEO Haruo Nagamatsu) got an award from Ministry of Economy, Trade and Industry (METI), Government of Japan and will start a feasibility study (FS) for the green ammonia(*) production in Indonesia, under the collaboration with Pupuk Indonesia Holding Company (PIHC) being a government enterprise in Indonesia, and Pupuk Iskandar Muda (PIM) which is a subsidiary company under PIHC.

During the FS, TOYO will study feasibility for the green ammonia production in Indonesia at the existing fertilizer plants owned and operated by PIM, and would like to establish a plan for the optimal development, with consideration for the selection of appropriate Renewable Energy power source, effective countermeasure against the fluctuation of Renewable Energy power supply etc.

As a fuel for co-combustion at coal power plant, vessel bunkering fuel, and as transportation and storage measure of Hydrogen, Ammonia is expected to play a significant role for realizing the low carbon society, as it does not emit CO_2 at the combustion. Japanese Government announced a target to utilize ammonia as a fuel for 3Million Ton per year, in year 2030.

TOYO constructed the fertilizer plant by PIM in 2000s. Utilizing its experience and knowledge, TOYO plans to develop a competitive green ammonia production facility by modifying the existing plant in the most optimum way.

In addition, future decarbonization of other fertilizer plants under PIHC by applying the similar scheme is also scope of the FS.

TOYO has a lot of experiences in the consulting, engineering, procurement, construction and energy saving service for the ammonia plants with global track record of 86, among which 7 are in Indonesia. TOYO will contribute to the Greenhouse Gas reduction through various measures including the support for promoting the utilization of Ammonia.

(*) Green Ammonia: Ammonia synthesized from hydrogen produced by renewable energy.

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Location map of Pupuk Iskandar Muda (PIM) fertilizer plant



Pupuk Iskandar Muda (PIM) existing fertilizer plant

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