

October 26, 2020

The Institute of Energy Economics, Japan (IEEJ)

On Demonstration of Blue Ammonia Supply Chain

Launch of a Combustion Test inside Japan

A sustainable path to a hydrogen society and a circular carbon economy

1. On September 27, Saudi Arabian Oil Company (Saudi Aramco) and we, the Institute of Energy Economics, Japan (IEEJ), jointly pressed as “World’s first blue ammonia shipment opens new route to a sustainable future” our demonstration for transportation to Japan of Blue Ammonia originated in Saudi Arabia. Through this demonstration, from October 26, IHI Corporation (IHI) plans to launch a combustion test of Blue Ammonia with a mixture of natural gas in IHI’s 2MW gas turbine power plant located in Yokohama, Kanagawa, Japan.

<Reference # 1> September 27 IEEJ Press Release

“World’s first blue ammonia shipment opens new route to a sustainable future”

<https://eneken.ieej.or.jp/data/9135.pdf>

<Reference # 2> October 23 IHI Press Release

“IHI Yokohama Facility to Initiate World’s First Blue Ammonia-Fueled Gas Turbine Tests in Keeping with Joint Oil Producing Nation and User Efforts to Build Eco-Friendly Ammonia Value Chain”

https://www.ihi.co.jp/en/all_news/2020/resources_energy_environment/1196973_2032.html

2. Other than with this mixture of natural gas, Blue Ammonia, a future fuel for zero-carbon power generation, plans to be in use for co-firing with coal as well as for single firing of itself.