



The Second International Conference on Fuel Ammonia (ICFA2022)

September 30, 2022

1. The Second International Conference on Fuel Ammonia (ICFA2022) was held online on September 28, 2022 hosted by the Ministry of Economy, Trade and Industry (METI) and the Clean Fuel Ammonia Association (CFAA).
2. The Conference has attracted a high level of interest, and had over 1,500 registrations. Three countries as well as the International Energy Agency (IEA), Institute of Energy Economics, Japan (IEEJ) participated in the Government Session. The Industry Session featured 17 presentations from 9 countries. Taking this opportunity, a MOU was signed between the PORT OF CORPUS CHRISTI AUTHORITY in Texas and Mitsubishi Corporation concerning development of low-carbon ammonia production at the Port of Corpus Christi.
3. Overall, growing interest is evident worldwide in the use of ammonia as a fuel for decarbonization. It was also indicated that the construction of a supply chain for fuel ammonia is progressing through international public-private partnerships, and it was shared that cooperation with both producing and consuming countries is crucial.
4. IEA emphasized the indispensability of low-carbon dispatchable power resources under the progress of electrification and decarbonization.
5. The Industry Session provided valuable information on the value chain, from utilization back to transportation, supply, and production.
6. From the standpoint of utilization, the technology for use of fuel ammonia in power generation has made significant progress and with the support of the Japanese government, it will eventually be possible to produce 100% ammonia power generation. In this context, power producers are aiming to become carbon neutral by utilizing the supply of fuel ammonia and its power generation technology.



7. In the maritime sector, the development of ammonia diesel engines will be completed by the mid-2020s, which indicates the future development of global use of ammonia as zero-emissions fuel.
8. Regarding supply and production, informative presentations on projects to supply blue and green ammonia were delivered from the US, Australia, Saudi Arabia and Norway. With a view to enhancement of a market for clean fuel ammonia, various considerable efforts such as scaling up facilities of blue ammonia with higher CO₂ reduction, and potential of blue and green ammonia production in various locations were reported.
9. In Japan, participation of the governmental bodies such as JOGMEC and JBIC, and their financial support to the supply chain are also being discussed.
10. Clean Fuel Ammonia Association(CFAA) explained the initial proposal of definition of clean fuel ammonia. The definition is an important subject for international discussions.
11. The conference was very fruitful, sharing of the latest information on clean fuel ammonia with many participants from around the world. The sincere hope is to be able to share with one and all a further developed picture next year.