

ADNOC and STEAG agree on ammonia pilot

Memorandum of Understanding signed during Germany's federal minister for economic affairs and climate action's delegation trip to UAE

Abu Dhabi/Essen. STEAG is one of various partners from German energy industry, Abu Dhabi National Oil Company (ADNOC) has signed agreements with during a delegation trip of Robert Habeck, German Minister for economic affairs and climate actions, to the United Arab Emirates (UAE). ADNOC and STEAG agreed on a sample delivery of carbon-reduced ammonia to be used for separation and capture of nitrogen oxides from the flue gases of STEAG's German power plants.

"The agreement signed could be the first step to establish a long-term cooperation with a partner who is planning to play a crucial role for the supply of the European Union with hydrogen and its byproducts on a large scale," says Dr. Ralf Schiele, member of STEAG's management board.

Ammonia for clean air in Germany

According to the recent memorandum of understanding, ADNOC will supply STEAG with a first amount of 'blue' ammonia produced on basis of hydrogen from natural gas. With that ammonia STEAG is running the process of separating nitrogen oxides from flue gases coming out of its German power plants. In mid-term perspective, ADNOC and its partners are planning to set up a 'green' ammonia production based on energy from renewable sources.

In December 2021, it was announced that the UAE will create a global clean energy powerhouse intended to spearhead the country's drive to net-zero carbon by 2050. Consolidating their combined efforts in renewable energy and green hydrogen, ADNOC, Abu Dhabi National Energy Company PJSC (TAQA), and Mubadala Investment Company (Mubadala) will partner under the Abu Dhabi Future Energy Company (Masdar) brand. The partnership between three Abu Dhabi champions will have a combined current, committed, and exclusive capacity of over 23 Gigawatts (GW) of renewable energy, with the expectation of reaching well over 50GW total capacity by 2030 and aspirations to grow this figure further.

Further topics for broadening cooperation

Topics to be discussed in future between the partners reach from forthcoming hydrogen delivery to cooperation on the field of solar energy where STEAG's subsidiary STEAG Solar Energy Solution (SENS) has proven to be very experienced.

'We are willing to deepen talks on these aspects in the near future since we see great opportunities for both partners to gain profit from each other's specific competences,' Dr. Andreas Reichel, chairman of STEAG's management board, is giving an outlook.

Thanks to Federal Government for making delegation trip happen

Finally, Andreas Reichel on behalf of STEAG, expresses his thanks to Minister Robert Habeck for organizing the delegation trip which STEAG could participate in. 'The trip and the opportunity to get in close and personal contact with our partners in the UAE was extremely helpful and speeded up talks. The Minister deserves great thanks for having made this happen,' is Andreas Reichel really satisfied with the trip's outcomes.

About STEAG

For over 80 years, STEAG has stood for efficient and reliable power generation, both in Germany and abroad. As an experienced partner, we support our customers comprehensively in all phases of power supply. We design, develop, implement, operate and market highly efficient energy solutions – from distributed generation facilities and those based on renewable sources to large central power plants. Together with customized solutions in the field of electricity and heat supply, we also provide a wide range of energy services – increasingly on the basis of renewables. Successfully so: Since 1990, STEAG has permanently reduced its own CO₂ emissions in Germany by approximately 85 percent.

About ADNOC

ADNOC is a leading diversified energy and petrochemicals group wholly owned by the Emirate of Abu Dhabi. ADNOC's objective is to maximize the value of the Emirate's vast hydrocarbon reserves through responsible and sustainable exploration and production to support the United Arab Emirates' economic growth and diversification. To find out more, visit: www.adnoc.ae

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