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## Press Release from AFRY

# AFRY appointed as Owner's Engineer for renewable power plant in Australia's flagship green ammonia project

Allied Green Ammonia (AGA) has awarded AFRY the Owner's Engineering assignment for its flagship green ammonia project in the Northern Territory, Australia. AFRY's role covers the design of a reliable and self-sustaining renewable power and distribution system to supply electricity to AGA's green ammonia production facility.

Ammonia is an essential component in the chemical industry and in agricultural fertilisers, however, its conventional production generates significant carbon emissions. By using a 100% renewable energy in the production process, AGA's green ammonia project, is envisioned to play a central role in the decarbonisation of hard-to-electrify sectors of the economy, such as long-haul trucking, aviation, shipping and heavy industry.

The renewable power plant will consist of an estimated 4.75 GW of solar power, combined with battery energy storage, and will power 3 GW of hydrogen electrolyser capacity. The project will produce almost one million tonnes of green ammonia annually, equivalent to a displacement of 1.8 million tonnes of global carbon emissions annually.

AFRY's engineering services cover the review of the basic engineering design of the solar farm, its electrical systems and the integration of the Battery Energy Storage System (BESS). The solar farm will generate low-cost renewable energy, while the BESS provides higher utilisation of the hydrogen and ammonia production plant by shifting some of the renewable energy generated during daylight hours to the evening and morning.

Alfred Benedict, AGA's Managing Director said: "AFRY has been selected due to its extensive engineering capabilities and experience in developing large-scale renewable energy projects within the Asia Pacific region and Australia, with specific expertise in the renewable energy plant design."

Petteri Härkki, AFRY's Regional Director, commented: "AFRY is excited and honoured to be part of this landmark project, which significantly contributes to Australia's green ammonia export capacity and the regional transition to lower-carbon fuels. With AFRY's extensive track record spanning over 500 solar power projects, 140 battery storage projects and more than 200 assignments in green hydrogen and ammonia projects, we are confident in our ability to add value to projects like this".

Learn more about AGA

Allied Green Ammonia (AGA) is an Australian-based company partnering with the world's leading technology and materials providers to design, develop, construct and operate one of the world's largest and most efficient green ammonia production facilities.

AGA values the substantial support of its industry stakeholders, the Northern Territory Government, the Australian Government and the local indigenous peoples represented by the Gumatj Corporation. Through these partnerships, AGA aims to deliver a critical piece of infrastructure that is expected to generate thousands of local jobs, saving millions of tonnes of carbon dioxide from being released into the atmosphere and provide the global industry with sustainable, clean and affordable fuels.

For further information, please contact: [info@alliedgreen.com.au](mailto:info@alliedgreen.com.au)

Learn more about AFRY in Australia

In Australia, AFRY provides management consulting, technical consulting and engineering services for renewable energy, hydro power, thermal power, transmission and distribution and bioindustry sectors.

With 750 experts across the Asia Pacific and more than 100 ongoing renewable energy and power sector projects in the region, AFRY is taking part in driving the regions sustainable energy transformation. AFRY has also been selected as the "Technical Advisor of the Year" for APAC region by IJ Global both in 2022 and 2023.

For further information, please contact:

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*AFRY provides engineering, design, digital and advisory services to accelerate the transition towards a sustainable society. We are 19,000 devoted experts in industry, energy and infrastructure sectors, creating impact for generations to come. AFRY has Nordic roots with a global reach, net sales of 27 BSEK and is listed on Nasdaq Stockholm.*

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