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Green Energy Oman takes key project development steps to progress the world leading green fuels project

Engineering and environmental studies are building on a comprehensive wind & solar measurement campaign to further define and enhance the benefits of the GEO 25-gigawatt green fuels project.

Muscat, 5 April 2022: An international consortium comprised of OQ, the Sultanate of Oman's global integrated energy company, InterContinental Energy, the leading dedicated green fuels developer, and EnerTech, a Kuwait government-backed clean energy investor and developer, today announces further progress on the development of "GEO" the Green Energy Oman integrated green fuels mega project.

The consortium is collaborating on the project, which will consist of approximately 25 gigawatts (GW) of renewable solar and wind energy producing over 1.8 million tons of zero-carbon green hydrogen per annum.

Najla Zuhair Al Jamali, CEO Alternative Energy at OQ said: "The GEO team, together with our technical specialists, are at the vanguard of mega-scale green fuels project development. The work being undertaken will place Oman at the forefront of such projects, maximizing the utilization of Oman's natural resources of wind and solar to produce green fuels, and build the country's associated industry. We look forward to continuing development in collaboration with our partners."

Having deployed a series of 140m high meteorological masts across the site since 2019 the consortium has gained significant understanding of site issues and opportunities, and last year awarded a series of key studies to progress the project:

- Energy Yield Assessment – being conducted by DNV (www.dnv.com) this activity is refining the output available from the world-class wind and solar resource found across the Al Wusta governate in Oman.



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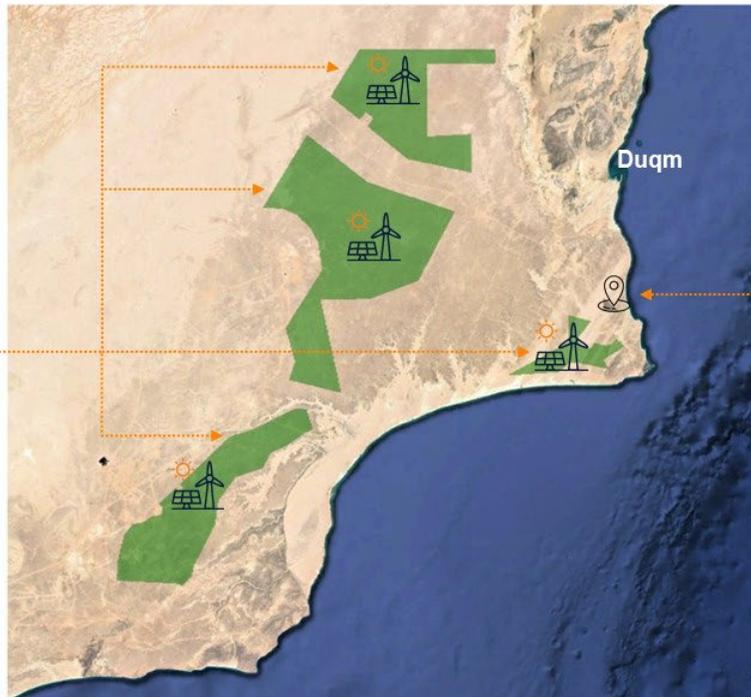
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- Feasibility Study – Worley Group (www.advisian.com) is contracted to further develop the project defined by the consortium, optimising the wind & solar generation, the transfer and transformation of this energy through electrolysis into hydrogen, and ultimately the production, storage and export of ammonia.
- Environment & Social Impact Assessment – HMR (www.hmrenv.com) are providing critical support to the project based on two decades of experience in Oman, and the recognition that the scale of the project requires a close focus on local issues and impacts, to ensure that the benefits the project will bring are fully realised.

Working with these specialists, the GEO team is further developing and refining the project, its export value, and the potential for expansive development of Oman's skills base and technical expertise in renewable energy projects.

GEO Study Area

Upstream
Wind &
Solar Power
Generation



Downstream
Processing &
Export



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About OQ

OQ is a global integrated energy company with roots in Oman. With operations across 17 countries, we cover the entire value chain from exploration and production to marketing and distribution of end-user products. Our fuels and chemicals are sold in over 60 countries worldwide, making us a pioneer in the energy sector.

For more information visit: <https://oq.com/en/about-oq/company>

About InterContinental Energy

As the leading dedicated green fuel developer, InterContinental Energy is committed to driving the renewable energy revolution beyond green electricity to green fuels. Using only wind, sun, and water, our portfolio will produce clean fuels at a scale that is cost competitive with fossil fuels, significantly reducing global greenhouse gas emissions. We prioritize environmental and social considerations for the projects we develop in addition to financial criteria, creating positive returns for all stakeholders.

For more information visit: <https://intercontinentalenergy.com/>

About EnerTech

Established in 2012, EnerTech is a subsidiary of the Kuwait Investment Authority-owned National Technology Enterprises Company. EnerTech's mandate is to be the leading platform for clean energy in Kuwait and the broader Gulf region. Our businesses include renewable energy development (solar, wind, CSP), clean technology investment, water desalination and treatment, energy efficiency solutions and advisory, and green molecules investment and development. We work with the public and private sectors to help the State of Kuwait fulfill its strategic development goals under the Kuwait Vision 2035 National Development Plan.

For more information visit: <https://enertech.com.kw/>

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Press Contacts

Sultanate of Oman Media Enquiries

OQ
Sultan Al Rumhi
Team Lead – External Communication, OQ
Tel: + 968 91182182
Email: sultan.alrumhi@oq.com

InterContinental Energy Media Enquiries

Rachael Yap
Tel: + 65 9645 1933
Email: rachael@intercontinentalenergy.com