



Alternative energy Oman

Who is developing a green fuels mega project in Oman?

An international consortium comprised of OQ, which is 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, is today announcing it is developing an integrated green fuels mega project in Oman.

Who is OQ alternative energy?

OQ Alternative Energy focuses on investments in renewables and green hydrogen in Oman. As the leading dedicated green fuel developer, InterContinental Energy is committed to driving the renewable energy revolution beyond green electricity to green fuels.

What is green energy Oman (Geo)?

GEO project is coastal, so transport vessels can be easily filled at ports or via small footprint offshore loading towers. Green Energy Oman (GEO) is one of the most promising clean fuels hubs in the world with the potential to be a leading project in this sector, supplying the globe with green fuels in a decarbonized economy.

What is Oman's largest solar power project?

Commercial operations of Oman's largest utility-scale solar photovoltaic, independent power project, Ibri 2, started in January 2022. Oman Power and Water Procurement Company (OPWP) awarded the project to a consortium of Saudi and Kuwaiti firms, for which Beijing-based Asian Infrastructure Investment Bank (AIIB) loaned \$60 million.

Will Oman achieve net zero emissions by 2050?

Oman has committed to net zero emissions by 2050. The government is looking to expand its electricity-generation capacities through renewable independent power projects (IPP), with plans to derive at least 30 percent of electricity from renewables by 2030, mainly through onshore wind and solar projects.

How will Oman's energy infrastructure contribute to decarbonization?

The project is also located near the coast for seawater intake and electrolysis. Existing energy infrastructure in Oman provides additional future options to develop synthetic fuels for the aviation sector, which will be critical for decarbonization.

2023; MUSCAT, DEC 11. Petroleum Development Oman (PDO) signed agreements yesterday with the partnership of OQ Alternative Energy (a subsidiary of OQ Group) and TotalEnergies to develop three independent renewable energy projects to support the company's transition to Net-Zero.

A combination of factors, including climate change, rising energy demands and limited hydrocarbons resources, have driven Oman's renewable energy agenda in recent years. Although renewables were estimated



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to have made up less than 1% of the country's electricity mix in 2018, the Oman Power and Water Procurement Company (OPWP) aims to roll out 2500-3000

Hajime Mori, Managing Director of Sumitomo Corporation Middle East FZE, added, "We are delighted to cooperate on green fuel bunkering in Oman with OQ Alternative Energy, Asyad Group and A.P ...

Muscat: In a move set to harness the expertise of Omani and global organisations in search of a greener future, OQ Alternative Energy (OQAE) has signed a Memorandum of Cooperation (MoC) with Asyad Group, A.P. Moller-Maersk and Sumitomo Corporation Middle East FZE (SCME) to conduct a joint feasibility study of green fuel bunkering in Oman. The MoC, confirmed on the ...

3 ???· TotalEnergies and OQ Alternative Energy (OQAE) have signed long-term power purchase agreements to develop a trio of renewable energy projects in Oman that will generate 300 megawatts (MW), according to a Dec. 11 press release.. France's TotalEnergies (49% ownership) and OQAE (51%) plan to begin construction in early 2025 with electricity ...

Hydrogen (H2) is critical in transitioning from fossil fuel energy systems. It can be produced via different technological processes and sources. One such method for producing green H2 is water electrolysis. Research indicates that utilizing Hybrid Renewable Energy Sources (HRESs) to power electrolysis can lead to over 80% reduction in emissions compared ...

Salim Al Huthaili, CEO Alternative Energy at OQ said: "OQ is proud to announce our biggest project in this field, which aims to maximise utilisation of Oman's natural resources of wind and solar to produce green hydrogen. Alternative energy is a key driver for OQ's long-term growth and a cornerstone of its strategy.

As the sultanate looks to manage its energy transition and inject capital into its fiscal balance, privatisation, sector reorganisation and renewable energy are key topics on the agenda for ...

The analysis builds on the IEA's ongoing technical cooperation with Oman to support the country's clean energy transition. Oman aims to produce at least 1 million tons of renewable hydrogen a year by 2030, up to ...

By executing these projects, Oman aims to achieve its 2030 renewable energy goals by 2027, increasing the contribution of renewable energy to 30% of total electricity production by 2030. These initiatives are aligned with Oman Vision 2040 goals and signify a commitment to boosting investments in alternative energy production.

3 ???· With respectively 49% and 51% shares, TotalEnergies and OQAE will lead in realizing three renewable projects: North Solar, a 100 MW solar project, located in Saih Nihaydah in ...

OQ Alternative Energy's pivotal role in this alliance reflects the company's commitment to energy transformation through innovative and sustainable practices. The joint study agreement with TriEnergy



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Solutions (TES) further underscores the focus on evaluating the feasibility of sustainable natural gas production in Oman.

1 ??· Najla Zuhair al Jamali, Chief Executive of OQ Alternative Energy, said, "Today, we witness a significant milestone in OQAE's journey as we step forward as the appointed ...

MUSCAT: OQ Alternative Energy, the green energy investment unit of OQ Group, says it has plans to develop a portfolio of renewable energy projects with a total capacity of around 2 gigawatt (GW) to support the clean energy needs of Oil & Gas companies, as well as industrial zones, operating in the Sultanate of Oman.

Energy Oman Magazine Energy Oman Magazine (EOM) is a news and information resource for Oman's dynamic energy sector, offering insights, trends and analyses of the power and water, oil and gas, renewable, alternative energy, and related segments across the entire energy value chain is backed by the publishers of Oman Daily Observer,

3 ???· MUSCAT, December 11, 2024 - Oman's state-owned OQ Alternative Energy (OQAE) will partner with TotalEnergies to develop 300 MW of renewable power in the country, the partners announced on Wednesday. Omani-Shell joint venture Petroleum Development Oman (PDO) has signed a long-term power purchase agreement to serve as offtaker for the electricity.OQAE ...

1 ??· Najla Zuhair al Jamali, Chief Executive of OQ Alternative Energy, said, "Today, we witness a significant milestone in OQAE's journey as we step forward as the appointed National Champion for Clean Energy in Oman. The energy transition is a significant journey for everyone, but we are actively engaged in planning this journey for Oman, with ...

The strategy focuses on key areas, including energy efficiency, renewable energy, hydrogen development and carbon capture. It is built on five guiding principles: ensuring energy security, transitioning to low-carbon energy, developing local capabilities, building a low-carbon economy, and maintaining Oman's competitive edge in the global ...

Moreover, both countries--but Oman in particular--will need to determine the renewable energy and hydrogen share required to decarbonize certain domestic industries and increase renewable energy targets to a level that meets both rising local electricity demand and green hydrogen export demand, while reducing conventional hydrocarbon ...

Green Energy Oman is one of the biggest green hydrogen projects planned for implementation in the Sultanate of Oman. Shell eyes early 2030s launch for Green Energy Oman Project. ... powered by 25 GW of renewable energy. Shell is also investigating the viability of producing Liquefied Synthetic Gas (LSG), a carbon-neutral substitute for natural ...



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In recent times, Oman has made extensive advancements in the procurement of utility-scale sustainable energy projects. Nama Power and Procurement Company SAOC ("PWP"), Oman's statutory monopoly power procurer, procured their first utility-scale, solar power plant in 2020 named Ibri-II, with a capacity of 500MW which was developed by a consortium led by ACWA ...

2 ???· In line with its multi-energy strategy in the Sultanate of Oman, TotalEnergies (Paris:TTE) (LSE:TTE) (NYSE:TTE) is pleased to announce, together with its partner OQ ...

Existing energy infrastructure in Oman provides additional future options to develop synthetic fuels for the aviation sector, which will be critical for decarbonization. The project will help transform Oman's skills base and ...

Muscat - Oman is ranked third in the Middle East and North Africa in renewable energy transition, 15th among emerging economies, and 38th globally, according to the 2021 Climatescope assessment report published by Bloomberg. Climatescope is a market assessment and an index that evaluates the conditions for energy transition investment globally and the ...

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