

## Kuwait hydrogen energy storage

The Kuwait Oil Company has embarked on an ambitious plan to produce 17 GW of renewable energy and 25 GW of green hydrogen by 2050 through a newly awarded consultancy contract.

This 18-month contract, granted to the American firm KBR, involves developing market analysis, technical and commercial feasibility studies, and training Kuwaiti citizens.

Kuwait is actively enhancing its renewable energy capabilities, currently prequalifying companies for its first utility-scale solar PV project. As part of its broader renewable energy strategy, the country aims to have 22.1 GW of installed renewable capacity by 2030. Despite currently having only 70 MW of installed solar and wind capacity and no new plants since 2018, this initiative marks the largest potential renewable energy and green hydrogen project announced in Kuwait.

MEED magazine reports that KBR, with extensive experience in engineering and renewable energy, will develop a national master plan for the Kuwait Oil Company. The plan will link renewable energy capacity to green hydrogen production for both domestic industrial use and export.

Kuwait's move towards renewable energy comes after significant power outages in June due to high temperatures. The Kuwait National Petroleum Company, formerly managing the 1.5 GW Al-Dibdibah solar project, could provide critical support for the country's renewable hydrogen program, now overseen by the Public-Private Partnership Projects Authority.

KBR will provide advisory consulting services to develop a phased strategy for the deployment of wind and solar power, combined with power storage capability

U.S. science, technology and engineering company KBR has been awarded an advisory consulting contract by Kuwait Oil Company for the development of a country-wide "masterplan" for the production of 17 GW of renewables and 25 GW of green hydrogen by 2050, Offshore Energy reported.

Under the terms of the contract, KBR will provide advisory consulting services to develop a phased strategy for the deployment of wind and solar power, combined with power storage capability. The renewable power capability will be linked to the production of green hydrogen for internal industrial use, as well as for export purposes.

The work is expected to be performed over the next 18 months, with KBR developing a market analysis, techno-commercial feasibility studies, as well training of Kuwaiti nationals.

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Under this contract, KBR will provide advisory services to develop a phased strategy for deploying significant wind and solar power, combined with power storage capabilities. The renewable power generated will be used for green hydrogen production, both for internal industrial use and export. This project, expected to span 18 months, will include market analysis, techno-commercial feasibility studies, and the training of Kuwaiti nationals.

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