

Abdul Latif Jameel's "Opening Doors" digital magazine Summer 2017 issue continued our series of articles looking at the drive towards renewable energy in Saudi Arabia and how the ambitions of



Saudi Arabia plans to deploy 40 GW of solar power capacity and 20 GW of wind and other sources by 2030, the Emirates News Agency (WAM) reports. The ambitious plan mirrors the Kingdom's efforts to integrate more alternative energy sources under the framework of the KSA Vision 2030 and the National Transformation 2020 Programme.



In the meantime, Saudi Arabia has adopted significant policy measures to promote renewable energy sources and attempted to recede the economy's reliance on conventional energy sources under the 2016-devised National Vision 2030 (Alomari & Heffron, 2021).

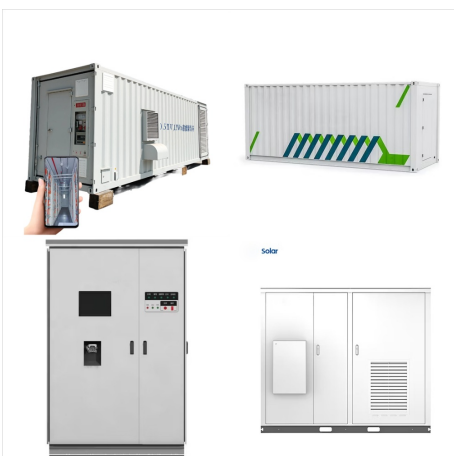
SAUDI ARABIA VISION 2030 RENEWABLE ENERGY



And with Saudi Arabia's unique geographical and climatic advantages, using renewable energy sources like this one is an economically attractive option for the Kingdom. Explore how Vision 2030 is making progress in diversifying Saudi Arabia's energy mix and achieving its goal of reducing dependence on oil.

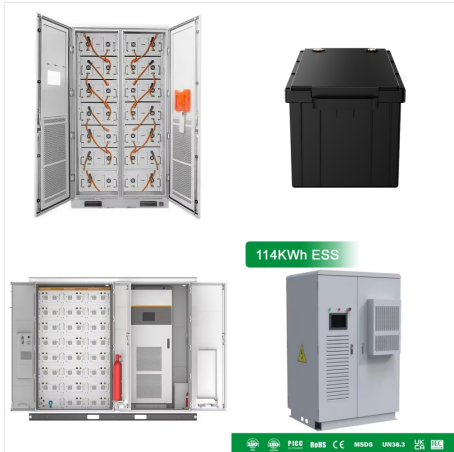


King Salman Energy Park is a cutting-edge development in Eastern Saudi Arabia, designed to be an industrial hub that connects the world to opportunities in the Saudi energy sector and beyond. Explore how Vision 2030 is advancing the ???



In April 2016, Saudi Arabia released Vision 2030, a national strategy designed to modernize the country's economy and society. Vision 2030 includes goals of reducing its reliance on oil revenues for economic growth; 9.5 gigawatts of renewable energy by ???

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Saudi Arabia has developed Saudi Vision 2030, an ambitious plan to reduce the country's dependence on oil by supporting promising private energy organizations and by developing opportunities that contributes to the national economy. In the manufacturing sector, the government is encouraging technology transfers in the renewable energy industries. It is ???



New facilities align with PIF's mandate to develop 70% of Saudi Arabia's renewable energy target . In the presence of His Royal Highness, Prince Abdulaziz bin Salman Al-Saud, Minister of Energy, ACWA Power, the Water and Electricity Holding Company (Badeel), and Saudi Aramco Power Company (SAPCO) have announced the signing of power purchase



This is our "Saudi Arabia's Vision for 2030." We will begin immediately delivering the overarching plans and programs we have set out. Together, with the help of Allah, we can strengthen the Kingdom of Saudi Arabia's position as a great nation in ???

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This is confirmed by the Kingdom's Vision 2030 through diversification of energy sources such as renewable and alternative energy by producing 5.3 gigawatts of renewable energy by 2020 and producing 5.9 gigawatts of renewable energy by 2030. The Kingdom of Saudi Arabia's initiatives to promote clean and affordable energy



The country launched its National Hydrogen Strategy in 2020, with the aim of becoming a major exporter. Its Vision 2030 strategy set a target to generate 50% of the nation's electricity from



Despite the objective of reducing fossil fuel subsidies under Vision 2030, Saudi Arabia still had the world's third-largest subsidies in 2019 at nearly \$30 billion, primarily directed towards oil, fossil-fuel electricity production and natural gas. 98 Cheap, available fossil fuels reduce incentives for investments in renewable energy technologies, as companies and ???

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Saudi Arabia has also embarked on an ambitious renewable energy plan, aiming to generate 50 % of its electricity from renewables by 2030 [56, 57]. However, the commercial viability and eventual scale-up of green hydrogen production in country will be influenced by several factors, including the cost and efficiency of electrolysis technologies



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Utilities and renewables together make up one of PIF's key strategic sectors. The development of Saudi Arabia's renewable energy sector is also a core objective of Vision 2030, Saudi Arabia's blueprint for a modern and ???

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The deals are the latest investments by Saudi Arabia's Public Investment Fund (PIF) to support the kingdom's Vision 2030 blueprint for a diversified and sustainable economy, and its National Energy Renewable Programme that targets 50% of the nation's energy mix to be renewables by 2030.. The first agreement involves a joint venture with the Chinese wind ???



Along with government assessments, the predicted electricity demand in the KSA is expected to surpass 120 GW by 2032 (Salam and Khan, 2018). Saudi Vision 2030 (SV2030) aims to set up renewable and sustainable energy (RnSE) projects to ???



Irfan, 2016; Tlili, 2015; Al Yousif, 2020). Saudi Vision 2030 sets a target to achieve a renewable and sustainable energy supply of 9.5 GW by 2030 (Kingdom of Saudi Arabia, Saudi Vision 2030, 2016; Amran et al., 2020). Although there is no specific scenario on renewable energy investment in Saudi Arabia, the

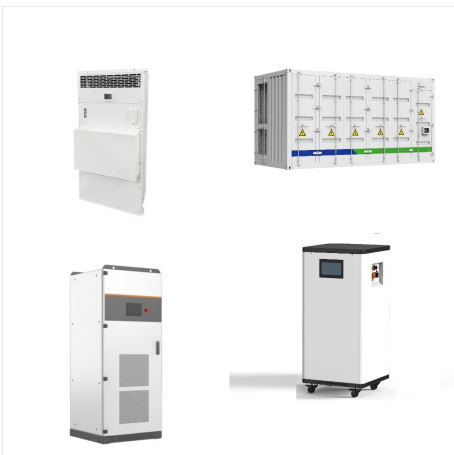
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identifies renewable energy as one of the pillars of economic diversification away from oil. It sets an "initial target" of producing 9.5 gigawatts (GW) of power source of energy in Saudi Arabia or in other G.C.C. countries.¹⁰ The country's installed solar power capacity was only 23 megawatts (MW) at the end of 2015



development of renewable energy in different countries. In vision 2030, the Kingdom of Saudi Arabia (KSA) has set the targets to deploy 58.7 GW of renewable energy (RE) with 40 GW of solar photovoltaic, 16 GW of wind and 2.7 GW other RE sources, paving the way for a low-carbon economy in the Kingdom. Renewable



The NREP's goal is to increase the contribution of natural gas and renewable energy sources to approximately 50% of the energy mix by 2030 while reducing reliance on liquid fuels, thus diversifying the national energy production mix. Vision 2030 has also highlighted the economic opportunities that accompany the expanded use of renewable energy

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Saudi Arabia has expanded its renewable energy reach and placed ACWA Power at the center of its Vision 2030 goal. The Kingdom has placed its bets on ACWA Power to achieve its Vision 2030 renewable energy goal to provide 70 percent of the Kingdom's RE-generated power needs.



In the meantime, Saudi Arabia has adopted significant policy measures to promote renewable energy sources and attempted to recede the economy's reliance on conventional energy sources under the 2016-devised National Vision 2030 (Alomari & Heffron, 2021). However, transitions to renewable energy require an abysmal amount of critical minerals



Learn more about how Vision 2030 is driving the Kingdom towards a new future of Crown Prince and Prime Minister, NEOM is a futuristic region in northwest Saudi Arabia powered by 100% renewable energy. Led by the Public Investment Fund, NEOM is a place that prioritizes people and nature, creating a new model for sustainable living, working