

Does Iraq need solar energy?

Iraq has abundant untapped solar resources that could allow it to achieve its target and reduce reliance on imports of electricity. Additionally, the cost of electricity powered by solar energy is lower than that of oil- or gas-fired energy.

How much solar power does Iraq have in 2023?

According to the latest statistics by the International Renewable Energy Agency, it had just 1,599 megawatts of renewable energy capacity at the end of 2023. Iraq has abundant untapped solar resources that could allow it to achieve its target and reduce reliance on imports of electricity.

Will TotalEnergies build a solar power plant in Iraq?

French energy major TotalEnergies will build a 1-gigawatt solar power plant in Iraq as part of a cluster of contracts it was awarded in 2021 for an integrated project that entails a total investment of \$27 billion over 30 years.

How much solar capacity will Iraq have by 2030?

Iraq's solar plans announced in November 2021 call for the addition of 12 gigawatts of solar capacity by 2030. Some 7.5 gigawatts of the planned solar capacity are to come from utility-scale solar plants, and Iraq has reached agreements with developers - at varying stages - for projects that will add 4.5 gigawatts of the total.

How much power does Iraq need?

On paper, Iraq's nameplate, or installed, power capacity of around 39 gigawatts should be enough to cover demand. Still, as many of the current power plants are gas-fired, Iraq has struggled to secure feedstock. Iraq produces around 3 billion cubic feet of natural gas per day, nearly all of which falls under oil production.

Where is the Basrah electricity project located?

Located in Artawi, near the southern port of Basra, Iraq, this special project was initiated by the Iraqi government and TotalEnergies with a total investment of \$27 billion to supply clean electricity to the Basrah regional grid.

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Iraq has been integrated into IRENA's Global Atlas in 2018. The atlas includes over 2000 renewable energy maps, covering solar, wind, bioenergy, geothermal and marine energy. It can be used from mapping energy potential to performing advanced renewable energy-site prospecting. Provider: International Renewable Energy Agency (IRENA)

QatarEnergy has signed an agreement with TotalEnergies to acquire a 50% stake in a major solar power project in Iraq, a substantial investment in the Arab country's renewable energy sector ...

Iraq has initiated several solar and renewable energy projects in 2023 and 2024, one of the upcoming solar projects which Iraq is moving to finalize is a contract with Saudi Arabia's ACWA Power to build a 1,000-megawatt (MW) solar power plant. The Iraqi News Agency reported that Iraq's Electricity Minister, Ziad Fadil, met with ACWA Power's management in ...

Iraq is seeking opportunities to raise the share of clean energy, helped by a solid expansion in the country's solar capacity, to improve the energy mix and outlook by carbon emission reduction. Iraq has abundant solar resources and extensive plain land areas, which is suitable for the construction and development of large-scale solar power ...

Welcome to Solar-Iraq, our web portal in Arabic, Kurdish, and English - a one-of-a-kind resource for energy experts and everyone who is passionate about clean energy solutions in Iraq. Explore solar PV and energy efficiency solutions for end users, sellers, buyers, trainees, trainers, individuals, and professionals.

QatarEnergy holds a 25% stake a consortium leading the development of the GGIP, a Basra-based natural resources and flared gas recovery project with a solar power component in the mix. TotalEnergies owns 45% of the GGIP consortium, with Iraq's Basra Oil Company, holding the remaining 30%.

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