

# IRAQ JETWAY ENERGY STORAGE



How can Iraq move towards a renewables-based energy system? Overall, for Iraq to move towards a renewables-based energy system, it must introduce regulations covering renewable energies, focus on market development, invest in grid retrofitting, and adopt energy efficiency measures, all of which are currently lacking in Iraq.



Does Iraq need a constant electricity supply? The most pressing concern for Iraq's electricity sector is the need to secure a constant electricity supply. In this context, it is important to extend the transmission network to neighbouring countries. An example could be the agreement signed with Jordan in 2020 to connect the two countries' power grids.



What is the Integrated National Energy Strategy of Iraq? In 2014, the Integrated National Energy Strategy of Iraq was developed as an attempt to create an energy vision; however, it did not take into account the reality of the challenges facing Iraq and was difficult to implement.



What is the main source of energy in Iraq? As previously mentioned, fossil fuels are the predominant source of energy in Iraq. Renewable energies still play a very minor role in the energy system.



What is Iraq's energy system based on? Iraq's energy system is highly dependent on fossil fuel-based forms of energy, as the country is rich in fossil fuel resources. It is currently the third largest global oil exporter and is likely to remain one of the three largest oil exporters for the foreseeable future.



Do private companies invest in wind energy in Iraq? As stated in the literature, no private company has, to date, invested in renewable energy in Iraq, and all planned activities remain under the government's mandate (ibid.). Studies into the potential of wind energy in Iraq are limited. Iraq can

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be divided into three different wind zones.

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The project will also include battery energy storage of up to 500 megawatt-hours, modernization of the national grid, and the construction of 1,000 km of high-voltage direct current (HVDC) transmission infrastructure.



It is also the first benchmark project of Iraq's Ministry of Oil and Ministry of Electricity. This photovoltaic storage power plant is the first in Iraq.  
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