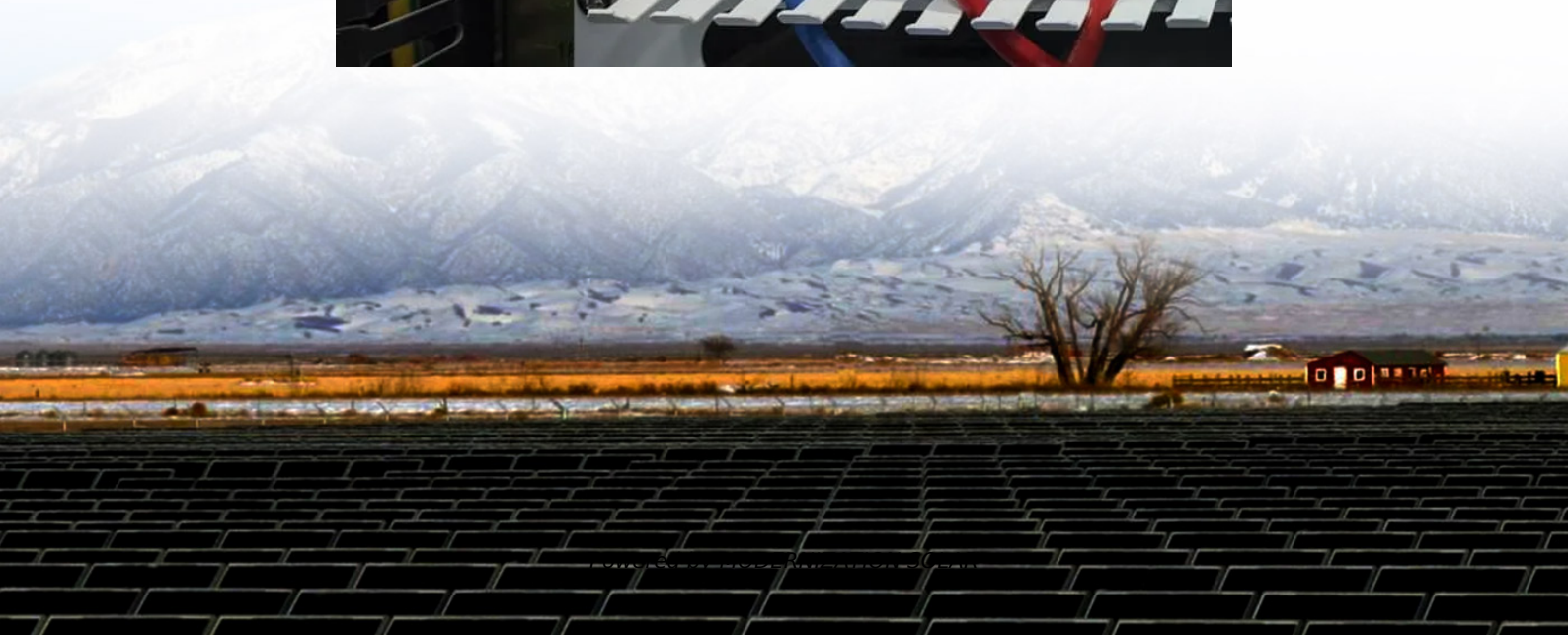


Iran s negative electricity prices demand energy storage





Overview

Why is Iran's energy sector struggling?

By Behdad Gilzad Kohan and Hamid Dahouei Iran's energy sector, rich in natural gifts and brimming with potential, struggles to realize its promise due to systemic inefficiencies, heavy dependence on fossil fuels, outdated infrastructure, and the weight of international sanctions.

Why does Iran have a high electricity demand?

The summer season in Iran brings an annual surge in electricity demand, primarily driven by the extensive use of air conditioning as temperatures often exceed 40°C in many regions. This seasonal spike exposes the systemic inefficiencies and aging infrastructure of the country's energy sector.

Why is Iran Facing a severe energy bottleneck?

Iran, despite having one of the world's largest oil and gas reserves, is facing a severe energy bottleneck, driven by heavy economic sanctions, inadequate infrastructure investment, and increasing domestic energy demand.

How much energy does Iran have?

Regarding energy resources, fossil fuels are plentiful in Iran. Proven oil and gas reserves include 32.1 trillion cubic meters and 157.8 billion barrels, accounting for 17.1 and 9.1% of global reserves. Among all the countries in the world, Iran ranks second in gas reserves, fourth in oil reserves, and first in their total reserves [15].



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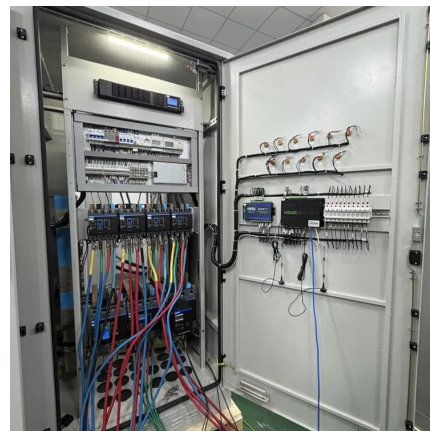


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