

How has Egypt positioned itself as a regional energy hub?

Over the last decade, Egypt has prioritised national energy security and positioned itself as a regional energy hub. This focus involves both domestic initiatives and international collaborations to expand renewable energy sources, improve energy efficiency, and invest in green hydrogen technologies.

Why does Egypt need a cooling system?

The increase in Egypt's average temperature has accelerated during the past two decades, dramatically raising energy demand for cooling during the summer.

Why does Egypt need a more resilient energy system?

The combination of increasing electricity demand for cooling and decreasing generation efficiency calls for a more resilient energy system. Although Egypt has less than 80 mm of annual rainfall, flood risks have increased in some regions due to the high regional variability in precipitation.

How does Egypt deal with the energy crisis?

To alleviate the crisis, Egypt has allocated \$1.2bn to fund initial energy imports, including 21 LNG cargoes that have begun to arrive, mainly from the US. The blackouts, which began in April, ended at the beginning of August but could resume in mid-September, according to the government.

Where is Egypt's energy infrastructure located?

This is particularly alarming since 95% of Egypt's population lives in the Nile Valley and Delta and many energy infrastructure assets are located along the coast and in the Nile Delta. Respectively, 39% and 7% of installed gas and oil power plant capacity is located in areas below 10 metres above sea level.

How much do Egypt's oil and gas imports cost?

According to Farouk Soussa, Middle East and North Africa economist at Goldman Sachs, Egypt's net oil and gas imports cost \$6.3bn in the year to March 2024, compared with a peak net export surplus of \$4.4bn in the year to September 2022. "That's a swing of \$10.7bn," he said. Zohr's gas processing facility.

Data source: McKinsey & Company's Energy Insights, Egypt Oil & Gas o Egypt produced an average of about 694,000 barrels per day (b/d) of total liquid fuels from 2014 through 2023. Most of this production was crude oil and lease condensate, which was about 615,000 b/d of the total. Egypt's liquid fuels production has benefited from higher ...

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Energy drives the world: it lights homes, fuels vehicles and powers industries globally. Getting that energy to consumers is one thing. Providing a wide range of upstream and downstream support for oil & gas exploration, development and extraction as well as the burgeoning renewable energy sector is another.

Egypt's Cabinet of Ministers announced its new ministerial lineup on Wednesday, July 3rd, one month following the resignation of Prime Minister Mostafa Madbouly's government.. Madbouly will continue to lead the new government, a role he has held since 2018. As part of the new ministerial lineup, several ministries have also been merged: the Ministry of Transport has ...

Egypt relied on fossil fuels for 88% of its electricity in 2023. Its per capita emissions are lower than the global average. Egypt's largest clean electricity source is hydro (7%). Wind and solar are starting to grow, comprising 5% of the country's electricity in 2023, up from just 1% in 2015.

TOPLINE ENERGY STATS FOR EGYPT Energy sector represents 13.1% of overall GDP Energy consumption per capita was at 0.97 toe, including 1 550 kWh of electricity (2019) Households absorb 41% of energy consumption, followed by industry (29%) and services (20%) (2019) CO2 emissions from fuel combustion declined by 2% in 2019, to 237 MtCO2

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Estimates suggest that Egypt has lost more than USD 37.6 billion to illicit financial flows in between 2003 and 2012 (Mada Masr, July 2015). The head of the department charged with preventing tax evasion at the Egyptian Tax Authority was arrested in 2017 for attempting to solicit bribes worth EGP 2 million (Daily News Egypt, Sept. 2017).

The move follows Egypt's Petroleum Minister, Tarek El Molla, saying the country planned for renewables to make up 60% of its energy mix by 2030. Its location in the global "sun belt" means it averages 9-11 hours of sunshine a day, with few cloudy days, giving it high potential for harnessing renewables for hydrogen production.

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