

Spain: Many of us want an overview of how much energy our country consumes, where it comes from, and if we're making progress on decarbonizing our energy mix. This page provides the data for your chosen country across all of the key ...

Quaise Energy is developing drilling technology to tap geothermal power from up to 12 miles beneath the Earth's surface, making the energy source available to every country. Energy Monitor caught up with ...

Renewable energy includes wind, hydro and solar power, biomass and geothermal energy sources. Spain has long been a leader in renewable energy, and has recently become the first country in the world to have relied on wind as its top energy source for an entire year.

Geothermal developer Quaise Energy and the Barrick-operated Nevada Gold Mines (NGM) are exploring using geothermal heat from land and subsurface holdings to decarbonise their TS Power Plant. Quaise and NGM are also investigating deep geothermal energy sources to hybridise power generation and further reduce the plant's fossil fuel ...

In the electricity sector, Spain has built a reliable power generation fleet and market reforms have fundamentally changed the remuneration scheme for renewable energy. Cross-border connections are now seen as essential to unlock fully Spain's liquefied n

According to Quaise, deep geothermal power plants can create 10 times more energy than conventional geothermal can while providing 24/7 baseload power on a relatively small land footprint. The company believes the retrofit of NGM's TS Power Plant positions Quaise to go from drilling field trials to full commercial deployment of its technology.

Last year, Spain relied on fossil fuels for 29% of its electricity. Its per capita emissions were almost half the global average and three times lower than their peak in 2005. Coal generation has collapsed over the last two decades, declining from 36% of Spain's electricity in 2000 to less than 2% in 2023.

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