

Why does Curacao face energy security issues?

Curacao faces energy security issues not only due to its reliance on imported fuels but also because of the age of its generation infrastructure. Thirty megawatts (MW) of Aqualectra's generation portfolio is beyond its expected service life and the surplus power from the RdK refinery is subject to frequent outages.

What is Curacao's energy policy?

In 2009, Curacao developed an energy policy document, which sets out general guidance and governing principles for further study of energy issues.⁴ It suggests the goal of reducing energy consumption by 40% by 2020 and encourages the investigation of combining wind power with storage to provide 100% of the island's energy needs.

How much does energy cost in Curacao?

Energy Snapshot Curacao This profile provides a snapshot of the energy landscape of Curacao, an autonomous member of the Kingdom of the Netherlands located off the coast of Venezuela. Curacao's utility rates are approximately \$0.26 per kilowatt-hour (kWh), below the Caribbean regional average of \$0.33/kWh.

Does Curacao need electricity?

Like many island nations, Curacao is highly dependent on imported fossil fuels (more than 95% of the island's electricity is generated using petroleum-based fuels), leaving it vulnerable to global oil price fluctuations that directly impact the cost of electricity.

Why does Curacao use wind energy?

Curacao's long history with wind energy has provided it with valuable experience in integrating variable energy resources into the electrical system while also demonstrating the value of avoiding petroleum-based electricity generation.

Does Curacao export oil?

*Most of Curacao's oil imports are feedstocks for the island's large, export-focused refining operation. The net export value of petroleum products totaled 14.0% of GDP in 2012. The electric utility for Curacao is the Curacao Water and Power Company, more commonly referred to as Aqualectra.

Sarris Energy was founded in 2012, is certified according to ISO 900, ISO:14001 and OHSAS 45001, and employs 32 people. Our team consists of 10 Engineers of various disciplines, 16 Technicians with different expertise (electricians, plumbers, refrigeration specialists, etc.), as well as other administrative personnel.

Technology group Wärtilä is to supply the Caribbean island of Curaçao with a 25 MW / 25 MWh battery energy storage system (BESS). The order was placed by Aqualectra, Curacao's government owned utilities company.

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Sarris Energy, a Greek-based company, specializes in the design, installation, and maintenance of solar energy systems. With over a decade of experience, the company has established itself as a reputable player in the renewable energy sector, certified to ISO 9001, ISO 14001, and OHSAS 45001 standards.

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Our goal is to combat the climate crisis by promoting the use of high-tech systems for energy production from Renewable Energy Sources (???) and energy efficiency. Currently, our activities revolve around three main axes:

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"Sarris-Energeiaki" was established in January 2012 by the current General Manager, Panagiotis Sarris (Mechanical Engineer MSc), based on his 10-year experience in the fields of Renewable Energy Sources (???) and Electromechanical Applications. In May 2018, the company became certified with ISO 9001, ISO 14001, and OHSAS 18001.

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