



Better power Gibraltar

Where is the new wave energy power station in Gibraltar?

In May, 2016, EWP and the Government of Gibraltar held an official opening ceremony of the newly constructed wave energy power station on the east side of Gibraltar. Now, at a former World War II Ammunition Jetty, sits the initial 100KW of a 5MW power station.

Why does Gibraltar need a new power plant?

This secures Gibraltar's energy supply economically, environmentally and sustainably. The associated closure of the three old plants represents the largest measure taken to improve air quality and reduce greenhouse gas emissions. The new power plant consists of six engines; 3 of which run on natural gas and 3 of which are dual fuel.

Why does Gibraltar have a power station?

Through a remarkable feat of engineering, the power station on the North Mole in Gibraltar Harbor allows the quasi-island to continue its proud history of independence and self-sufficiency, regardless of what international politics hold in store.

Where is Gibraltar's new power station located?

The location of the new power station is on the North Mole in Gibraltar Harbor, an advanced arrangement of a gas-fired power station with an LNG hub which will serve as the basis of the island's future power supply.

How much power does Gibraltar have?

With an output of 86 MW, the overall capacity exceeds Gibraltar's current peak demand by about 42 MW. The power plant also fulfils strict emission standards as it is located close to the city. Part of the waste heat from the engines will be used for regasifying liquefied natural gas in the connected LNG terminal.

Why does Gibraltar need a LNG power system?

The people and businesses of Gibraltar will have better air quality, a quieter environment, and see the rewards of better energy efficiency. Michael Caetano, Chief Operational Officer of the Gibraltar Electricity Authority (GEA) When Gibraltar upgraded its nearly 40-year-old power system, they opted for a unique LNG solution.

All of Gibraltar's energy needs are met by electricity; which is currently produced by burning diesel fuel. H.M. Government of Gibraltar has plans to build a new, state of the art power station which will run on liquid natural gas, thus improving energy efficiency considerably. There is also a commitment to achieve carbon neutrality and

Between 2016 and March 2022, Eco Wave Power operated a grid-connected proof-of-concept wave energy array in Gibraltar, as part of a 5 MW Power Purchase Agreement that EWP signed with the Government of Gibraltar and Gibraltar's National Electric Company, GibElectric.

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The Gibraltar Electricity Authority is a H.M. Government of Gibraltar Authority and currently, the only Electricity Utility Provider in Gibraltar. The Authority is responsible for the generation, distribution and supply of Electricity to all Customers' premises.

The new North Mole Power Plant is a dual fuel Power Plant powered by 3x MAN 14V51/61G Natural Gas gensets and 3x 14V51/61DF dual fuel gensets, mainly operating on Natural Gas with the possibility of also operating on Diesel fuel.

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