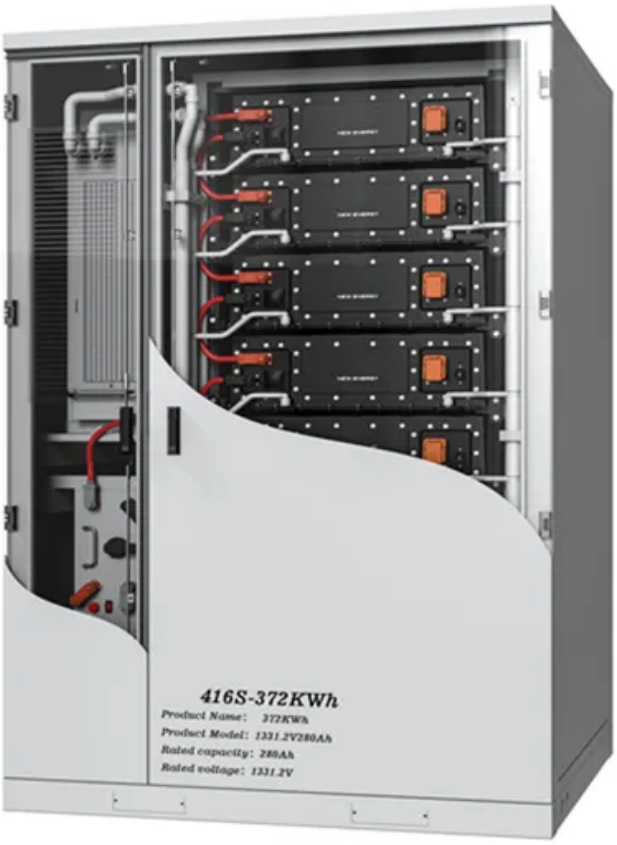
ContainerPower Energy Solutions

Commissioning of wind power plants at communication base stations in Côte d Ivoire



Overview

What's new at Azito power plant in Côte d'Ivoire?

A 253MW combined-cycle unit is being added to the existing Azito power plant site near Abidjan, Côte d’Ivoire, as part of the plant’s fourth phase expansion. Launched in March 2020, the $370m expansion project will increase the plant’s capacity to 706MW, accounting for 30% of the West African country’s installed capacity.

Will Côte d'Ivoire have a coal-fired power plant?

These aspects are left for further research. This coal-fired power plant is expected to be the first ever built in Côte d’Ivoire. Note that the implicit price of carbon for the other scenarios is not worth studying because they show CO 2 emissions in 2050 below the Paris Agreement target.

Where does electricity come from in Côte d'Ivoire?

As natural gas is the main source of electricity production in Côte d’Ivoire to date, we pay particular attention to its modeling. Its supply comes either from national gas reserves, via the West Africa Sub-Regional Gas Pipeline (WAGP), or from international gas reserves in the form of liquefied natural gas (LNG).

Who built the Azito thermal power plant in Côte d'Ivoire?

The 453MW plant was developed in three phases, under a build-own-operate-transfer (BOOT) scheme. The Côte d’Ivoire Government contracted the construction of the Azito thermal power plant in 1998 to Azito Energie, a consortium comprised of IPS-WA, ABB, and Electricité de France (EDF).

Does Côte d'Ivoire have a commitment to green energy?

According to its National Determined Contribution (NDC) of 2015, the share of green energy in the electricity mix is expected to reach 42% and greenhouse gas (GHG) emissions from this sector are not expected to exceed 9.2 Gt of CO 2 eq in 2030. 2 To date, Côte d’Ivoire has not made any other quantitative

commitment beyond 2030.

Why is natural gas important in Côte d'Ivoire?

Scenarios Today, natural gas is the cornerstone of Côte d’Ivoire's electrical system. As of 2019, it supplied 67% of the electricity produced, and new capacity is planned in the coming years to meet growing demand. Natural gas has the advantage of a well-structured and familiar decision-making process and value chain.

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