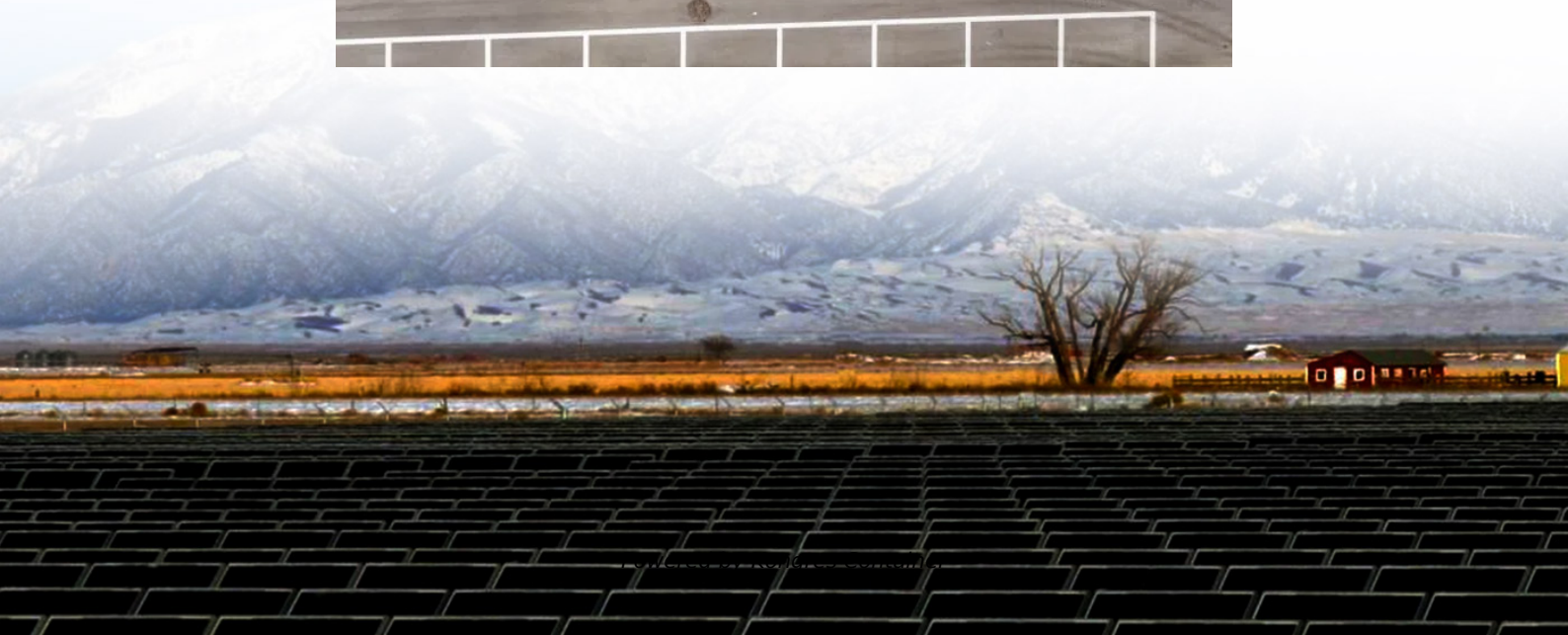
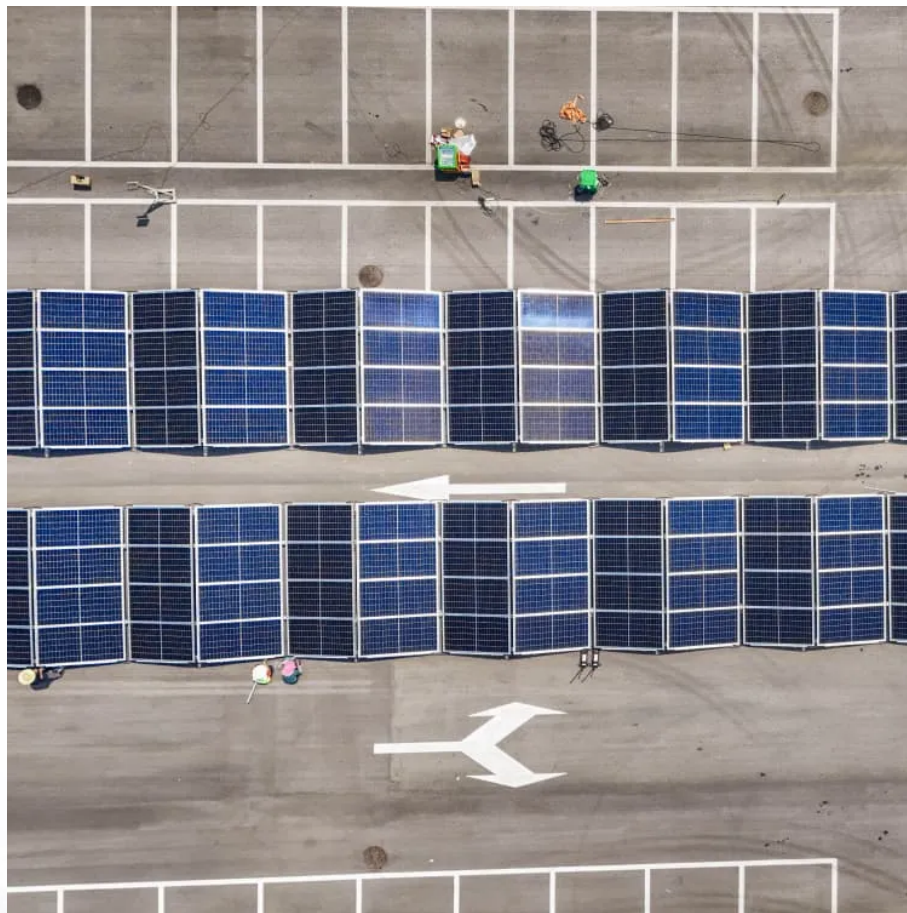


Kongres Container

Cost of installing green base station in Cote d Ivoire



Overview

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 CO₂ eq in 2030. To date, Côte d'Ivoire has not made any other quantitative commitment beyond 2030.

Is Ivory Coast a good place to invest in electricity?

Boasting the third-largest electricity system in West Africa – with an installed capacity estimated at 2,907 MW and an electrification rate of 80% – Ivory Coast is well-positioned to leverage its existing electricity system to foster robust commercial opportunities for infrastructure development.

Will Côte d'Ivoire have a low-cost solar system?

In the case of a low-cost solar scenario, PV capacity is up to 24 GW and storage is nearly 15 GW between 2030 and 2050. In closing its economic gap with emerging markets, Côte d'Ivoire will face a substantial increase in electricity demand over the next three decades.

How much does LNG cost in Côte d'Ivoire?

For Côte d'Ivoire, the cost of delivered gas has been estimated at between \$9 and \$11/MMBtu if supplied by the WAGP extension and between \$10 and \$12.7/MMBtu for LNG based on assumptions on the degree of international price convergence. We assume an evolution of \$9 to \$10/MMBtu for WAGP and a constant value of \$12/MMBtu for LNG.

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).

Why is Ivory Coast investing 2021-2025 in energy infrastructure?

This comes as the Ivorian government prioritizes infrastructure development to maintain the country's high rate of economic growth. In 2021, Ivory Coast launched its National Development Plan 2021-2025, which calls for an investment of \$20 billion towards energy infrastructure.

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