Solar energy research and development cote d ivoire

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In the international public tender organised by the Ivorian energy supplier for the construction of the power plant, a Franco-German consortium prevailed as the general contractor. In this way, C?te d'Ivoire is benefiting from European expertise, while the project is also helping to secure jobs in Germany and Europe.

Executives and entrepreneurs Bankers and hedge fund managers Journalists and communications professionals Consultants and advisors of all kinds Academics and students Government and policy-research delegations Diplomats and expatriates

In a significant milestone for C?te d’Ivoire’s energy sector, HE Robert BEUGRE MAMBE presided over the inauguration of the country’s first Solar Power Plant in Boundiali. The event was attended by numerous government officials, as well as administrative, political, religious, and customary leaders from the BAGOUE Region.

This historic ceremony marks the commencement of the first solar project in C?te d’Ivoire’s electricity sector, aligning perfectly with the vision of SEM Alassane OUATTARA, President of the Republic of C?te d’Ivoire, to position the nation as the energy hub of the West African sub-region.

Executed by the teams at Ivory Coast ?NERGIES under the supervision of the Ministry of Mines, Oil, and Energy, with support from technical partners, this plant signifies the start of several similar projects and underscores C?te d’Ivoire’s international commitments to environmental preservation and combating climate change. The project is expected to reduce CO2 emissions by over 70,000 tonnes annually.

This transformative initiative allows the country to further diversify its energy mix beyond thermal and hydroelectric sources, steadily progressing towards the goal of achieving 45% renewable energy by 2030. The initial phase of the project incurred a cost of 40 million euros, with 30 million financed by the Government of C?te d’Ivoire through support from development partners such as the Federal Republic of Germany (through the KfW) and the European Union.

The launch of the second phase, announced by the Prime Minister on the same day, will expand the site’s overall surface area to 78 hectares and increase the total installed capacity to 83 MWp with 147,504 panels. This expansion aims to generate 130 GWh of electricity, stimulating economic growth in the BAGOUE region and enhancing electricity quality for the well-being of Ivorian citizens.

To date, gas is still C?te d"Ivoire"s most important energy source, making up over 60 % of its power supply. Hydropower already delivers over 30 % of the country"s electricity. Expanding solar power should help increase its share of the power mix. "There are already plans to expand the power plant," emphasises KfW

project manager Clara Winkler-Tomety. Germany"s federal government has already committed another EUR 30 million via KfW in order to increase capacity to 83 megawatts.

The new solar power plant in C?te d"Ivoire is helping to achieve the goals of German development cooperation with regard to expanding renewable energy. "The idea is to promote a climate-friendly power grid in West Africa," explains Winkler-Tomety. According to her, the programme"s goal for the region is to enable private households, public institutions and corporations to purchase electricity under environmentally and climate-friendly, secure and cost-effective conditions.

Cooperation with C?te d"Ivoire should be strengthened further within a "climate and development partnership". The aim is to support the transition to more renewables in the West African country and to expand its role as a net electricity exporter to improve supply security in the region.