

# Support the Largest Hydro Plant Ever Built in Ivory Coast

## Project description

Operating since 2017, the hydropower plant of Soubré is a game changer in Ivory Coast in order to reach a low carbon mix in the country. Located on the Sassandra river at about 5km from the town of Soubré, this project is producing 1,170 GWh of electricity on average per year. This hydropower plant is part of the Ivorian's strategy to promote green energy into their mix. The government aims to reduce the thermal share by 50% and reduce the gas bill of households while highlighting the strong commitment of the country to fight climate change. To date, electricity in Ivory Coast is mainly generated from fossil fuels (natural gas and fuel oil) which leads to considerable greenhouse gas emissions. The project activity therefore substitutes fossil-fuel intensive grid-electricity and cuts down corresponding GHG emissions. Thanks to this project, the country was able to increase its electrical power by 10% without emitting any GHG emissions. On another hand, the local communities have benefited from construction of the plant with 120 newly-electrified rural localities in the Mountain District.

## Project developer

CI-Energies is the national grid company from Ivory Coast. Their mission is that 100% of Ivorians have access to electricity (94% to date). CI-Energies emphasize on renewable energy production with 4 projects being developed until 2022.

## Sustainable Development Goals



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## Project details

**Project name:**  
Soubré Hydropower Project

**Project type:**  
Large Hydro

**Location:**  
Soubré, Ivory Coast

**Project owner:**  
CI-Energies

**Status:**  
Registered & operational

**Project ID:**  
Verra VCS 1522

## Key facts

**600,000 tCO<sub>2</sub>**  
saved/year

**270 MW**  
installed capacity

**120 villages**  
newly electrified



## Pictures



## Impacts



Thanks to the plant, 120 villages in the Mountains district have now access to electricity.

**The local population can now live a modern life using green electricity.**



The price of the kilowatt is 20 F CFA Soubré compared to 55 CFA francs from other energy sources.

**The project helps the sector to find its financial balance.**

Through this project and their action, CI-Energies is helping the region.



**The project helps the San Pedro region to have a revival of activity, more people are now working and living in this area.**

CI-Energies used the local workforce to build the plant.



**The project hired more than 4,000 people (directly and indirectly) for the construction phase and relies on 50 permanent technicians to ensure operation and maintenance.**

## CSR Actions

10 localities have benefited from village pumps and the extension of the distribution network as part of the reinforcement of the drinking water capacity of the town of Soubré. In these localities, more than 868 households have now access to clean water.

## Key facts

**10%**

increase of the country's electrical power.

**6,100 people**




of Soubré community have now access to clean water.

**50 technicians**

ensures operation & maintenance of the plant.

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