



DOSSIER D'INFORMATION

Inauguration des centrales solaires de Maroua et de Guider

par le Ministre de l'Eau et de l'Energie,
son Excellence Mr Gaston Eloundou Essomba

Inauguration of the Maroua and Guider solar power plants

by the Minister of Water and Energy, His Excellency
Mr Gaston Eloundou Essomba





Inauguration of the Maroua and Guider Solar Power Plants

Eneo Cameroon would like to announce that the ceremony to inaugurate its solar power plants in Maroua (15 MW) and Guider (15 MW) will take place on 22 September 2023.

Chaired by the Minister of Water Resources and Energy, Gaston Eloundou Essomba, this ceremony will be attended by the Minister of Finance - Louis Paul Motaze, the Minister of the Economy and Planning - Alamine Ousmane Mey, the Governor of the Far-North Region - Midjiyawa Bakary, heads of councils and Regions as well as personalities.

The ceremony will be organised at the Maroua solar plant whose construction was completed in September 2023, enabling this facility when at full capacity to contribute to the energy offer mix of the North Interconnected Grid that covers the three northern regions.

The Maroua and Guider solar power plants were built by SCATEC at the request of Eneo Cameroon.

Launched in mid-2021, implementation of the Maroua and Guider solar power plants was accelerated such that as from January 2022 the first megawatts produced were injected into the system. As panels were installed, the operational capacities of both structures increased accordingly. These power plants help balance supply and demand in the North Interconnected Grid.

This supply and demand balance is now guaranteed due to a combination of factors:

- the high-water level on River Benoue, which makes it possible to fill the Lagdo appropriately and as such to make sure the power plant generates power optimally;
- Additional thermal capacities increased in Djamboutou, Ngaoundere, Maroua and Kousseri ;
- Develop major solar power stations : Guider and Maroua are the first, where other additional projects are also underway.

According to the General Manager of Eneo, Amine HOMANLUDIYE, *"Eneo has adopted a comprehensive solution to the power supply problem in the Far North Region, caused by low water level. Eneo has therefore proposed and implemented solutions such as solar power, to cover an increasingly growing demand, especially with the rise in the number of industrial projects. Supplying more diversified electricity helps to improve quality of life, reduce pollution with greener energy and create jobs."*

The solar option is consistent with the green transition strategy deployed at Eneo and helps to support the Government's commitment to develop renewable energy.



Guider and Maroua Solar Power Plants

- 44,800 solar panels of 385 to 415 Wp each in Guider, 44,000 panels in Maroua;
- 03 inverter-battery chargers;
- 30 storage batteries with a total capacity of 10MW in each site (to reduce the need for thermal power plants in the evening);
- 230 66 kW solar inverters in Guider and 220 in Maroua;
- 23 400V/15kV evacuation substations in Guider and 22 in Maroua;
- 115/30 kV step-up substation;
- 2 weather stations;
- Lighting network;
- Roads;
- Cable ducts;
- A total surface area of 52 ha in Guider and 30 Ha in Maroua;
- 4 drinking water boreholes to supply water to local residents



Network Connection

In Maroua and Guider, our generation capacity is 30 MW plus thermal capacities for purposes of relevant combination and successful injection in the interconnected grid or functioning in isolated mode to supply only one region or only one division.





Characteristics Of The Connection Facilities Of Solar And Thermal Plants



In Guider

- Two (02) 30 kV transmission lines built over 4 km from the site of solar and thermal power plants to the Guider source substation. These lines are built on metal poles and made from almelec cables with a cross section of 148mm² ;
- One (01)15/30kV step-up substation with a 20 MVA capacity, built on the site of the solar and thermal plants, tied to the solar & thermal power plants and two 02 30 kV transmission lines ;
- Rehabilitation and installation of primary cells with sets of 30 kV busbars from the Guider source substation and connection of 02 30 kV transmission lines to the NIG.



In Maroua

- Two (02) 15 kV transmission lines over 2.5 km from the solar power plant site to the Maroua source substation.
- Installation of a primary cell with sets of 15 kV busbars from the Maroua source substation and connection of 15 kV transmission lines to the NIG.



Eneo Energy Transition Plan

Eneo's renewable energy and green transition strategy is built on the following pillars:

- Ensure continued generation in the major dams, given that hydroelectricity is the leading renewable energy. This accounts for the significant investments in Songloulou, Edea and Lagdo to stabilise and extend the lifespan of facilities;
- Build huge solar facilities: Guider and Maroua are the first of such.
- Hybridise isolated power plants by merging small solar facilities to thermal generation;

- Facilitate the construction of mini hydro power plants. Case of Mbakaou where Eneo guaranteed the purchase of energy ;
- Advise the government and interested investors on opportunities: Eneo has carried out several studies on the various niches that exist concerning various forms of renewable energy in Cameroon;

In so doing, Eneo supports the government's policy concerning increasing access to electricity and most especially developing renewable energy.



Centrale hybride de Djoum



Centrale hybride de Lomié

Eneo CSR

Four boreholes supply drinking water to those living around the Maroua and Guider solar power plants.





About the Ministry of Water Resources and Energy

THE MINISTRY OF WATER RESOURCES AND ENERGY is responsible for preparing and implementing the Government's policy on water resources and energy generation, transmission and distribution.

As such, it is tasked with:

- elaborating government strategies and plans in the area of water resources and energy supply ;
- prospecting, searching for and operating water resources in urban and rural areas;
- improving on the quantity and quality of water resources produced and energy generated;
- promoting investments in the water resources and energy sector together with the Ministry of Economy, Planning and Regional Development as well as relevant Administrations ;
- promoting new energy together with the Ministry of Scientific Research and innovation;
- regulating the use of water resources in farming, industrial and health undertakings together with relevant Administrations;
- monitoring management of water basins;
- monitoring management of aquifers;
- monitoring the oil and downstream gas sector ;
- monitoring regulatory companies in the water resource and energy sector.

It is the supervisory authority of establishments and companies involved in generation, transmission, distribution and regulation of water resources, electricity, gas and oil, notably:

- Cameroon Water Utilities Corporation (CAMWATER);
- Electricity Development Corporation (EDC) ;
- Energy of Cameroon (Eneo);
- National Electricity Transmission Corporation (SONATREL);
- Rural Electrification Agency (AER) ;
- Electricity Sector Regulatory Agency (ARSEL) ;
- Cameroon Petroleum Depot Company (SCDP)
- National Refining Company (SONARA).



About Eneo

A historic operator in Cameroon's electricity sector, Eneo aims to safely provide energy and deliver reliable service quality at an affordable price, while remaining a corporate governance model in Africa.

With 978 MW of installed capacity as of September 22, 2023, Eneo is responsible for 63% of the country's installed capacity, i.e., 1,557 MW. Of this total 30.6 MW is solar power, including 15 MW in Maroua, 15 MW in Guider, 0.390 MW in Djoum, 0.125 MW in Lomié and 0.110 MW in Garoua Boulai.

Integrity, cohesion, respect and commitment are the core values that guide operations at Eneo. These values are essential not only to the fulfilment of our public utility missions, but also to the satisfaction of our customers and all our stakeholders. With a workforce of 3,664 employees divided between its core activities of generating, distributing and commercialising electrical energy, Eneo strives every day to improve the quality of electricity supply. Its employees are proud to belong to a company that is transforming itself to be a driving force and a catalyst for growth.



Scatec brings renewable energy solutions to growing markets

The service provider chosen by Eneo following a call for tenders

Scatec briefly



Develop, build, fund and operate renewable energy;



Operating or building 4.6 GW;



16.6 GW
Projects initiated or identified;



Over 800 jobs in 30 countries.

Company listed on the Oslo stock market

Release is a subsidiary 100% owned by Scatec.