

Visit to the Energy Project sites where are we now ?

(as of 28 February, 2022)

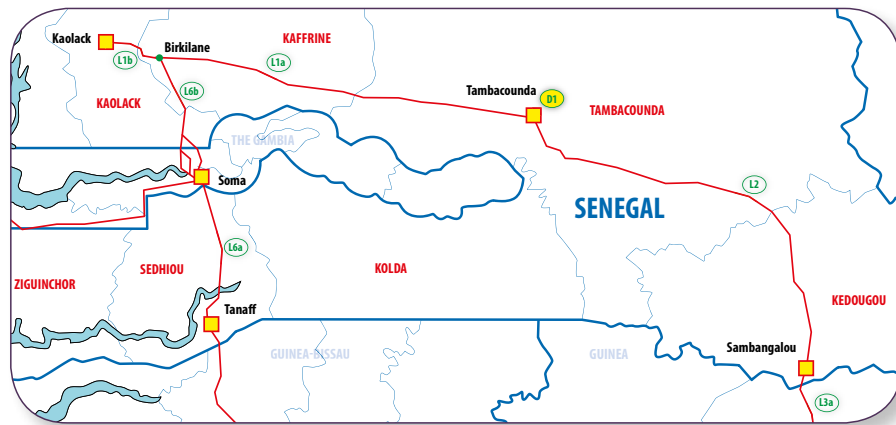
The Energy Project / OMVG in figures

- Interconnection line

- 1,677 km of looped 225Kv electricity transmission line, equipped with 36 pairs of optical fibres including 143 km in The Gambia, 575 km in Guinea, 218 km in Guinea-Bissau, and 701 km in Senegal
- 15 high and medium voltage transformer substations, including 2 in The Gambia, 5 in Guinea, 4 in Guinea-Bissau, and 4 in Senegal
- 2 dispatching and SCADA, and an Image Wall in Dakar

- Sambangalou hydroelectric development (Kédougou / Senegal)

- 107 m in height
- 3.7 billion m³ of reservoir
- 128 MW installed capacity
- 402 GWH of production capacity
- 188 km² of reservoir straddling Guinea (85%) and Senegal (15%)
- 1,000 jobs in the plan for the construction phase and 1,500 to 2,000 indirect jobs
- Irrigation potential of 90,000 ha irrigation potential for agricultural land, including 50,000 ha in The Gambia and 40,000 ha in Senegal
- Regulation of the flow of the Gambia River and reduction of downstream flooding
- Decline of the salt intrusion in The Gambia



Control and command room of the Kaolack transformer station



ORGANISATION
POUR LA MISE EN VALEUR
DU FLEUVE GAMBIE
- Projet Energie -

GAMBIA RIVER BASIN
DEVELOPMENT
ORGANISATION
- Energy Project -

ORGANIZAÇÃO
PARA A VALORIZAÇÃO
DO RIO GÂMBIA
- Projeto Energia -

The Kédougou substation is in the Interconnection loop and will be connected to the future evacuation substation of the Sambangalou Hydroelectric Plant and to the substations of Tambacounda (Senegal) and Mali (Guinea). It transmits electrical energy from the OMVG network to Guinea and Senegal.

The Tanaff substation is in the Interconnection loop and transmits electrical energy between the OMVG and SENELEC (Senegalese National Electricity Company) networks on the one hand and NAWEC (Gambia National Electricity Company) and AEGB (Guinea-Bissau National Electricity Company) on the other.

D1 Centre de Dispatching de repli (centre de conduite de secours) on the site of the Tambacounda substation

More than 61% completed - Full completion October 2022

The construction of the building housing the fallback dispatching equipment will be carried out as part of the P1 batch (KEC) initially planned in Kédougou (Sambangalou). The dispatching contractor (SIEMENS) will supply, install and commission the fallback dispatching equipment once the building is handed over.



Visit of the AFD Director to the Tambacounda substation

L 701 km power transmission line, 6 batches of 225 kV lines crossing Kaolack, Kaffrine, Tambacounda, Kédougou and Sédhiou (L1a and b, L2, L3a, L6a and b)

L1 Kaolack - Birkelane - Tambacounda, 258.5 km 100% completed

This batch was commissioned on 21 September 2021.

L2 Tambacounda - Kédougou, 244 km More than 97% completed - Full completion April 2022

The line's construction has experienced difficulties related to environmental and social aspects (bypass of the Niokolo Koba National Park and Kedougou airport, etc.).

L3a Kédougou (Senegal) - Mali (Guinea), 59 km of which 26 km in Senegal and 33 km in Guinea More than 85% completed - Full completion June 2022

L6a Tanaff (Senegal) - Soma (The Gambia), 95.22 km of which 90 km in Senegal and 5.22 km in The Gambia

L6b Soma (The Gambia) - Birkelane (Senegal), 83.8 km of which 24 km in The Gambia and 59.8 km in Senegal

100% completed

The Kaolack - Soma line was energised on 30 September 2021.

The Soma - Tanaff line is scheduled to be energised in March 2022.

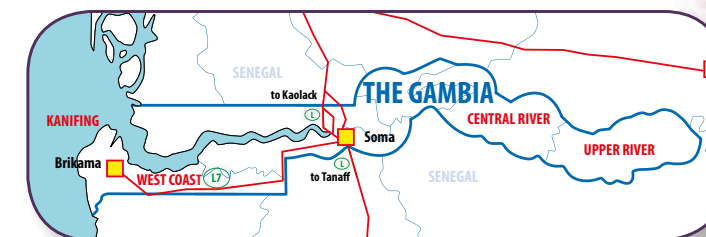
Technical and financial partners supporting Senegal

- French Development Agency (FDA)
- African Development Bank (ADB)
- European Investment Bank (EIB)
- Islamic Development Bank (IDB)
- World Bank (WB/IDA)
- West African Development Bank (WADB)
- German Cooperation Agency (KfW)



Section of interconnection line in Tanaff (Sédhiou, Senegal)

THE GAMBIA



Technical and financial partners supporting The Gambia

- World Bank (WB/IDA)
- Kuwait Fund for Arab Economic Development (KFAED)

P • 2 substations in Soma and Brikama L • 167 km of 225 kV interconnection line in Gambian territory

- 143 km connecting the Brikama and Soma substations
- 18.5 Km from the Soma substation up to the Gambia-Senegal border towards the Kaolack substation
- 5.5 Km from the Soma substation up to the Gambia-Senegal border towards the Tanaff substation

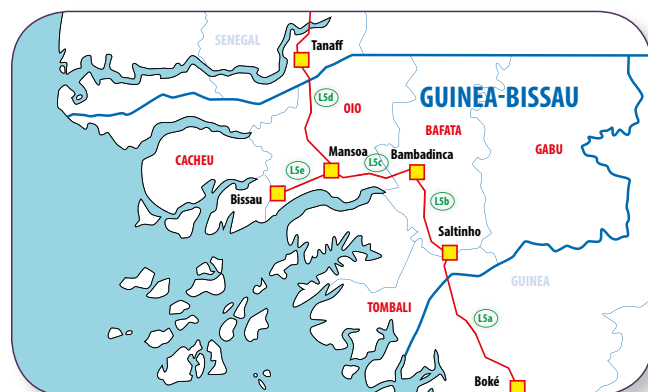
• 33 kV for the distribution of electrical energy in the regions of Soma, Brikama and surroundings



Equipment of the Soma Substation

100%
completed

GUINEA-BISSAU



P Bissau, Mansoa, Bambadinca and Saltinho transformation substations

More than 99% completed - Full completion March 2022

- Bissau: Awaiting commissioning
- Mansoa: Finishing work in progress
- Bambadinca: Awaiting commissioning
- Saltinho: Finishing work in progress

The substations are each equipped with 6 x 33 kV feeders for the distribution of electrical energy in these 4 regions and the surrounding localities.

L5 317 km power transmission line (Boké - Saltinho - Bambadinca - Mansoa - Tanaff et Mansoa - Bissau)

More than 76% completed - Full completion December 2022

This batch straddles Senegal, Guinea and Guinea-Bissau. The 317 km lines link Guinea, Guinea-Bissau and Senegal in 5 sections in order to facilitate the execution of the work across the three countries..

- L5a** Boké (Guinea) - Saltinho (Guinea-Bissau), 98 km
- L5e** Mansoa - Bissau, 35.5 km
- L5d** Mansoa (Guinea-Bissau) - Tanaff (Senegal), 74.3 km
- L5c** Bambadinca - Mansoa, 54 km
- L5b** Saltinho - Bambadinca, 55.4 km

Due to the discovery of geotechnical hazards during the execution works, about forty special foundations of the micropile type will have to be eventually realized.

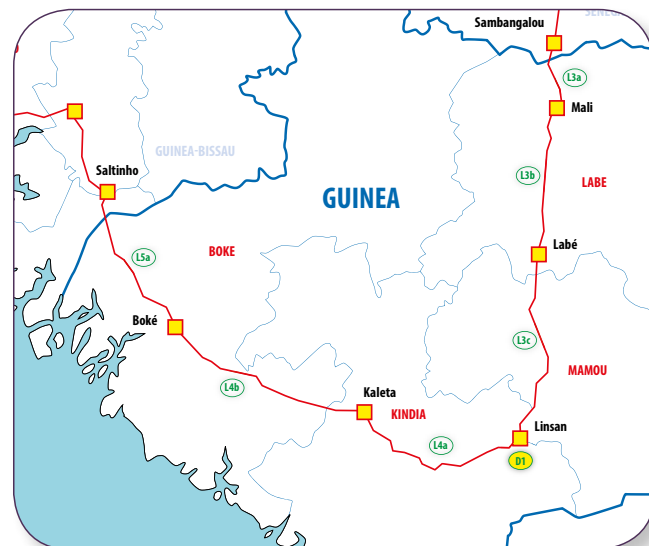
Technical and financial partners supporting Guinea-Bissau

- World Bank (WB/IDA)
- West African Development Bank (WADB)



The High Commissioner of OMVG, at the head of a strong delegation, very honoured to receive H.E. Umaro Sissoco Embaló, President of the Republic of Guinea-Bissau accompanied by members of his Government during the visit of the Bissau Post (December 2021).

GUINEA



P Boké, Extension Kaléta, Mali, Labé & Linsan Extension and Linsan transformation substations

P4a Boké substation and Kaléta Extension

More than 95% completed - Full completion April / May 2022

The Boké substation is a new construction with 2 feeder bays for lines to Kaléta (Guinea) and Saltinho (Guinea-Bissau). It is equipped with 6 x 30 kV feeder bays for the distribution of electrical energy in the Boké region and surroundings.

The Kaléta substation already exists and belongs to SOGEKA (Société de Gestion de l'Energie de Kaleta). The OMVG has carried out the extension to allow the connection of its network to the Kaléta (240 MW) and Souapiti (450 MW) power plants and to make the operation of the Kaléta substation efficient.

P4b Mali, Labé and Linsan substations

All three source substations are new.

Mali et Labé : More than 90% completed - Full Completion of Mali substation September 2022 & Labé substation April / May 2022

The Mali substation is in the Interconnection loop and will be connected to the future evacuation substation of the Sambangalou Hydroelectric Plant and the Labé substation. It transmits the electric energy of the OMVG network to Guinea and Senegal. The 2 substations in Mali and Labé are each equipped with 6 x 30 kV feeder bays for the distribution of electrical energy in the two regions and the surrounding localities.

Complete Linsan (Linsan Extension and Linsan) : Linsan Extension more than 78% completed & Linsan more than 68% completed - Full Completion June / July 2022

This substation, which houses the main dispatching center, is the largest of the entire OMVG network and is equipped with 6 x 30 kV feeder bays for the distribution of electrical energy in the Linsan region and surroundings.

This substation interconnects with the EDG, TRANSCO-CLSG and Guinea-Mali Project power transmission networks. At the Linsan substation, the voltage levels are: 225 kV / 110 kV / 30 kV.

D1 OMVG main dispatch center (main control center) in Linsan

More than 61% completed - Full Completion October 2022

The Linsan substation site houses the OMVG Main Dispatching Center.

L 582 km power transmission line (L3, L4 et L5a - 3 batches)

L3 Kédougou (Senegal) - Linsan (Guinea), 268 km 85% completed - Full Completion June 2022

This batch straddles Senegal and Guinea and has been subdivided into 3 sub-lots (L3a, L3b and L3c) to facilitate management and implementation:

- L3a. Kédougou (Senegal) - Mali (Guinea), 59 km of which 33 km in Guinea and 26 km in Senegal
- L3b. Mali - Labé, 89 km
- L3c. Labé - Linsan, 120 km

L4 Linsan - Kaléta - Boké, 242 km

90% completed - Full Completion April / May 2022

This batch has been subdivided into 2 sub-batches:

- L4a. Linsan - Kaléta, 114 km
- L4b. Kaléta - Boké, 128 km

L5a Boké (Guinea) - Saltinho (Guinea-Bissau), 98 km

76% completed - Full Completion April / May 2022

The L5 batch straddles Senegal, Guinea and Guinea-Bissau.

Technical and financial partners supporting Guinea

- African Development Bank (ADB)
- European Investment Bank (EIB)
- Islamic Development Bank (IDB)
- World Bank (WB/IDA)

Visit of the OMVG High Commissioner and his delegation to new Guinean authorities including the Prime Minister, Mr. Mohamed Beavogui, to present the Organisation and its Flagship Projects including the Energy Project (December 2021)



SENEGAL

P Kaolack and Tanaff transformer substations & Tambacounda and Kédougou (Sambangalou)

P1a Kaolack and Tanaff **P1b** Tambacounda and Kédougou

100% completed

- Kaolack: In operation
- Tanaff: Awaiting commissioning
- Tambacounda: In operation
- Kédougou: Awaiting commissioning

The Kaolack and Tambacounda substations were commissioned on August 28 and September 22, 2021 respectively. The Tanaff and Kédougou substations are scheduled to be commissioned in March 2022. The Tanaff, Tambacounda and Kédougou substations are each equipped with six 33 kV feeder bays for the distribution of electrical energy in the regions and localities surrounding the substations. The Tambacounda substation is in the Interconnection loop and will ensure the transit of electrical energy from the OMVG and OMVS networks in Senegal. The site of this substation houses the second OMVG Dispatching Center (Fallback Dispatching Center).



Visit of the French Ambassador to the Kaolack substation in the presence of the Governor of the Region and the Consulting Engineer PE/OMVG