Sambangalou Hydroelectric Development in figures

- 107 m height on foundation
- 3.7 milliards de m³ of reservoir at normal operating water level
- 128 MW installed capacity
- 402 GWH of annual production capacity
- 188 km² of reservoir at the normal operating water level, straddling Senegal (20%) and Guinea (80%)
- 1000 emplois in the plan for the construction phase and 1,500 to 2,000 indirect jobs
- 90 000 ha of irrigation potential for agricultural land, including 50,000 ha in The Gambia and 40,000 ha in Senegal
- €388 million budget
- 1 contract signed with the Vinci Construction - Andritz Group
- Flow regulation of the Gambia River resulting in a reduction of floods
- Retreat of the salt tongue in The Gambia

Preserving the populations and their environment

The Sambangalou HED is part of the sustainable development framework. To this end, all the required studies aimed at preserving the environment have been carried out to comply with the NP6 (New Policy) of the International Finance Corporation (IFC), namely:

- The Biodiversity Management Plan to take into account all the impacts of the dam on the ecosystems.
- The Resettlement Action Plan to cover compensation for all losses of the affected population and the relocation of the villages to be displaced, which are living in the reservoir.
- An adaptive environmental flow strategy (AEFS) to cover all compensations for impacts related to the change in the hydrological regime of the river.
- In order to preserve both ecosystems and species, two action plans have been drawn up, one for the protection of chimpanzee habitats and the other for compensatory measures for the effects of the dam on the Niokolo Koba Park.

A protocol will be signed with the National Parks Directorate to monitor the implementation of all these socio-environmental programmes.
Key dates of the Sambangalou Hydroelectric Development project

**1994**
- Study for the integration of electricity production and transport investments in the OMVG Member States carried out by Hydro-Québec Orgatec-Eurosoft Dessau
- Feasibility and feasibility studies, environmental and social impact studies, preliminary detailed design studies, elaboration of the tender documents and Environmental and Social Impact Assessment (ESIA) of the Sambangalou Hydroelectric Development and of the OMVG member countries’ electricity interconnection line carried out by the Consortium COYNE at BELLIER/TECSUIT/COBA (COTECO)

**1994-1996**
- PHASE 1 of the study on the development of hydroelectric sites
- Identification of the Sambangalou site on the Gambia (Gambia Basin) as a potential hydroelectric site of regional significance
- Preliminary detailed design studies, elaboration of the tender documents and Environmental and Social Impact Assessment (ESIA) of the Sambangalou Hydroelectric Development and of the OMVG member countries’ electricity interconnection line carried out by the Consortium COYNE at BELLIER/TECSUIT/COBA (COTECO)

**1996**
- PHASE 2 of the interconnection network study (1996)
- Determining the best interconnection network to bring the energy produced by the future Sambangalou hydroelectric site to the consumption centres in the OMVG member countries

**2002**
- Feasibility studies (Technical and ESIA) of the Sambangalou Hydroelectric Development and the Interconnection Line carried out by the Consortium COYNE at BELLIER/TECSUIT/COBA (COTECO)

**2005**
- Approval of the study by the 9th Ordinary Session of the OMVG Authority of Heads of State and Government (September 1997)

**2005-2008**
- Additional economic study for the realisation of the Sambangalou Hydroelectric Development (AHE) by the BRLi/Nodalis Consortium

**2007**
- Launching of an International Call for Tenders (ICT) and request for technical and financial proposals to 7 companies for the realisation of the Sambangalou Hydroelectric Development in the form of an Engineering, Procurement and Construction (EPC) turnkey contract

**2008**
- Launch of the phase “Zero” for the ownership of documents and technical review

**2012**
- Update of the technical, institutional and transactional studies by the Consortium SOFRECO & Norton Rose Fulbright and Oréade-Brèche/ISL

**2013**
- Resolution n° 5 of the 39th OMVG Council of Ministers held in November 2012 on the produced power distribution of the Sambangalou AHE and the interconnection line, respectively, carried out by OMVG
- Recruitment of China Gezhouba Group Corporation (CGGC) for the execution of the works for a total cost of USD 413,211,155 excluding VAT/free of customs duties with an execution period of fifty (50) months

**2014**
- Funding
- Launch of the phase “One” of geological and geotechnical studies prior to the beginning of civil engineering works for 42 months followed by the hydro-electromechanical equipment works for 6 months (48 months in total)

**2017**
- Funding
- Launch of the implementation Plan (IP)

**2018**
- Funding
- Review of existing studies and additional studies, securing of financing, launch of works

**2020**
- Funding

**2022**
- Funding

**PRELIMINARY STUDIES**
- Identification of the site on which the dam and interconnection network will be built, pre-feasibility and feasibility studies, environmental and social impact studies, preliminary detailed design study, elaboration of the tender documents

**ICT AND 1ST CONTRACTUALISATION**
- Launching of the international tender, selection and recruitment of the project manager, updating of the technical and institutional studies and the regulation mechanisms

**2ND CONTRACTUALISATION**
- Review of existing studies and additional studies, securing of financing, launch of works