

# Uganda: Bujagali Hydropower Project

## Clean Energy for Sustainable Development on the White Nile

### Background:

The Bujagali Hydropower Project is a major energy infrastructure project in East Africa that aims to expand the region's power generation capacity and meet the growing demand for clean and affordable electricity. The project is located on the White Nile River in Uganda and plays a critical role in promoting economic growth, sustainable development and improving the quality of life of the population.

### Objective:








The main objective of the Bujagali Hydropower Project is to provide a reliable and environmentally friendly source of energy to increase the existing power supply capacity in Uganda. By harnessing the hydropower resources of the White Nile River, the project aims to reduce dependence on fossil fuels, reduce greenhouse gas emissions, and provide a sustainable source of energy for future generations.

### Project scope:

The Bujagali Hydropower Project involves the construction of a large hydropower facility at the Bujagali Falls of the White Nile. The facility consists of a dam that impounds the river and a hydropower plant that converts the kinetic energy of the outflowing water into electrical energy. The installed capacity of the power plant is several hundred megawatts, which is sufficient to meet a significant portion of Uganda's energy needs.

### Environmental Impact and Sustainability:

The Bujagali Hydropower Project was developed with environmental impact and social acceptability in mind. Extensive environmental impact assessments were conducted to ensure that the river channel, wildlife, and livelihoods of local communities are protected. The project contributes to the reduction of greenhouse gas emissions by generating clean energy and reducing dependence on non-renewable energy sources.

Project type:	Renewable energy – Hydropower
Location	Jinja, Uganda
Project start date:	August 2012
Project standard:	  Verified Carbon Standard A VERRA STANDARD
UN Agenda 2030 goals	
    	

### Economic benefits:

The project has a positive economic impact on the region. It creates jobs during the construction and operation phases and promotes the development of local expertise in hydropower technology. The electricity capacity provided strengthens industrial development, encourages investment, and contributes to Uganda's economic stability.

### Community participation:

The local population and affected communities are involved in the development process. Compensation and social well-being measures will be implemented to ensure that the project's positive impact on communities is maximized.

