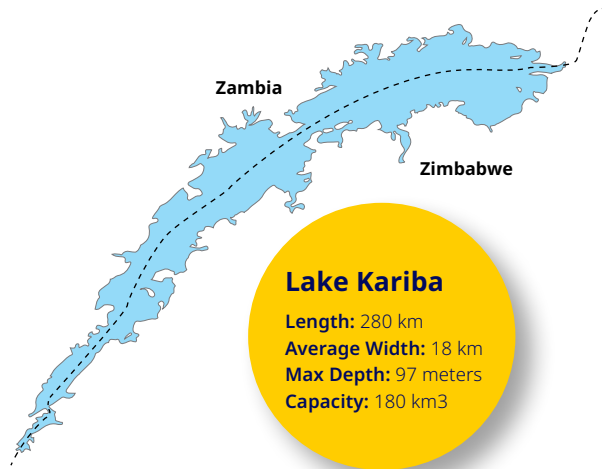


# The aim of EU-Zambia under Global Gateway

Both Zambia and the European Union consider clean energy a cornerstone of economic development. Zambia and the EU will continue to work together to increase institutional and human capacity in the energy sector, promote private sector investment and innovation, pilot new clean energy technologies and improve legal frameworks.

## KDRP, the Bottomline

- The reshaping and stabilisation of the plunge pool is fully financed by a grant of the European Union (€113,4 Million).
- The refurbishment of the spillway works is financed by the World Bank, African Development Bank and the Swedish International Development Cooperation Agency.
- KDRP is implemented by the Zambezi River Authority (ZRA).



## Kariba Dam

**Type:** Double curvature concrete arch dam  
**Impounds:** Zambezi River  
**Height:** 128 meters  
**Length:** 617 meters  
**Width (top):** 13 meters  
**Constructed between** 1956 and 1959 and commissioned in 1960



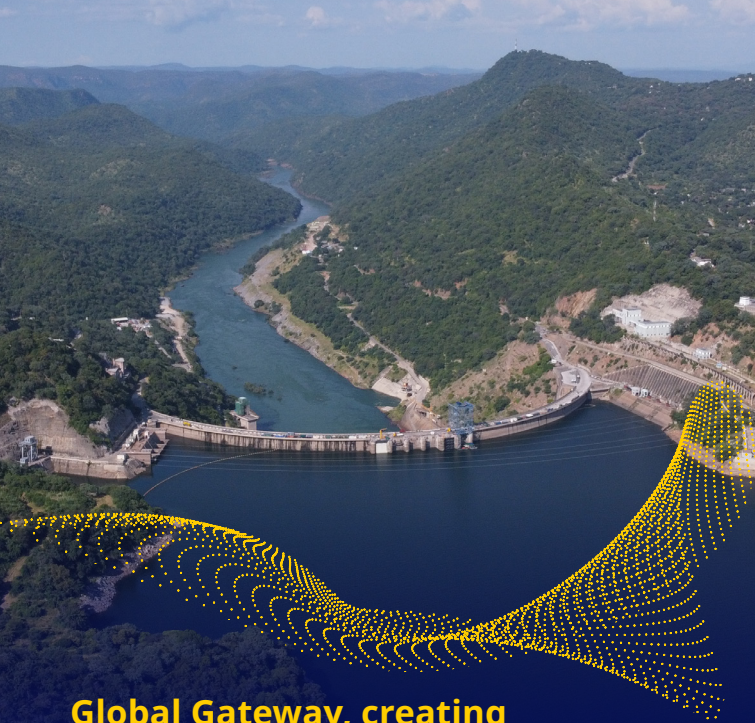
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## Providing ENERGY FOR GOOD through the Kariba Dam Rehabilitation Project (KDRP)

As the largest hydro-electric dam by water storage in the world, the Kariba Dam continues to support economic development in the region. After 70 years, the dam is receiving a facelift to ensure clean energy supply for generations to come.

**Funded by the European Union**

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## Global Gateway, creating sustainable and trusted connections for clean energy

KDRP is co-funded by the European Union (EU) and is a Global Gateway project for Zambia and Zimbabwe. Global Gateway is the European Union strategy to boost smart, clean and secure links in digital, energy and transport sectors and to strengthen health, education and research systems across the world.

Through the Global Gateway, the Zambian government and the European Union aim to guarantee the structural integrity of The Kariba Dam, assuring the sustained generation of power primarily for the benefit of Zambia, Zimbabwe residents and the broader Southern African Development Community (SADC) area.

KDRP is implemented by the Zambezi River Authority (ZRA) on behalf of Zambia and Zimbabwe.

## One Dam for regional economic empowerment

The Kariba Dam which towers an imposing 128 metres over the Zambezi below, houses a 2,130-MW hydroelectric plant which generates more than 10,000 GWh of electricity each year, serving energy to Zambia, Zimbabwe and the SADC community.

Over the years, water flowing through the spillgates has eroded the natural rockfloor of the plunge pool. KDRP consists of the reshaping of the plunge pool to limit erosion of the riverbed directly beneath the dam wall, and the refurbishing of the spillway gates to secure the dam's future operations in accordance with international safety standards. As of April 2023, the Plunge Pool Reshaping and Spillway Refurbishment components of the KDRP had recorded progress of 73% and 38% respectively.

### KDRP Funding

European Union	€113,4 million
World Bank	\$75 million
African Development Bank	\$75 million
Sweden	\$20 million
Zambezi River Authority	\$19,2 million



## Reshaping the Plunge Pool

The works to reshape the plunge pool involve excavating and removing 300,000 m<sup>3</sup> of rock in the current pool and the construction of a concrete slab to protect the weakest areas. By making the pool larger, the energy of the water coming through the spillgates will dissipate, minimising the risk of additional scouring or erosion towards the dam foundation. The excavation works are being accomplished following the construction of a temporary water-tight cofferdam to allow the reshaping works under dry conditions.

The works for reshaping the plunge pool commenced in 2017 and are expected to be completed at the end of 2024. A major milestone of the project was the completion of the cofferdam, in June 2022. Dewatering of the plunge pool commenced in July 2022 and is almost completed, with excavations being done as water levels dwindle. The reshaping of the plunge pool is 100% financed by a grant of the European Union (EUR 113,4 million).

