

# Buhemba Gold Project

Mwanza, Tanzania



The Buhemba Gold Project is located 150 km north-east of the regional town of Mwanza, Tanzania, in the Lake Victoria's goldfields. The Project has carried out a new estimate of its geological resource and mining inventory.

NOVOPRO was mandated by ARETHUSE Geology to review and optimize the Buhemba Gold 3,000 tpd carbon-in-leach (CIL) Plant design. As part of the mandate, NOVOPRO provided improvements and optimizations to the overall process and multi-disciplinary design as suggested by EPC contractor for use in the Project.

This work consisted of the following activities:

- Review of the process flowsheets
- Review of the process design, including the unit operations and equipment selection based upon the critical operating parameters impacting the gold recovery and productivity of the plant
- Modification and optimization of the process design to reduce both the project cost and risk
- Review of all engineering discipline designs
- Review and optimization of the plant layout suitable to site conditions
- Review of utility requirements including water balance
- Review of the CAPEX and OPEX

## CLIENT

ARETHUSE Geology

## LOCATION

Mwanza, Tanzania

## YEAR(S)

2020 - 2021

## COMPLETED PHASE(S)

- Construction

**ARETHUSE**  
GEOLOGY