



# AngloGold Ashanti takes the next step in its **DECARBONISATION JOURNEY**

as it links to the Tanzania grid , which has a significant  
proportion of renewables power

AngloGold Ashanti's decarbonisation journey is progressing with the Geita Gold Mine in Tanzania linking to the national electricity grid, which is 45.6% supplied by renewable energy sources, including hydroelectric power.

In mid-2024, the mine started drawing partial load through the new on-mine substation and is working closely with Tanzania Electric Supply Company 34MW (TANESCO) to build up to full load during the second half of 2024. The switch will result in a significant reduction in the mine's electricity costs. The existing fleet of diesel generators will remain in service as backup power.



## Project benefits

Geita Gold Mine Limited (GGML) expects to be able to reduce the diesel it uses for power generation by approximately 80% by sourcing electricity from the Tanzanian grid. Part of AngloGold Ashanti's global strategy to transition to cleaner sources of energy, the switch to the national grid is expected to reduce GGML's carbon emissions by at least 50Kt CO<sub>2</sub> per annum.

# 80%

## REDUCTION

## About the project

GGML is continuously looking at ways to further reduce its Scope 1 emissions. Scope 1 emissions are direct greenhouse (GHG) emissions that occur from sources that are controlled or owned by an organization.

With the aim of replacing a significant portion of its diesel generated power at the site with grid power, AngloGold Ashanti worked closely with the government of Tanzania through its power utility, TANESCO to implement the project.

TANESCO financed a 6.1km electricity distribution line (220/33kV) from its Mpomvu substation to a purpose-built substation at the mine while GGML financed and constructed the on-site 33/11kV 80MVA mine substation. The mine will draw an average load of 32 - 34MW, satisfying most of its underground mining and processing power requirements.

TANESCO's generation system is made up mainly of hydro and thermal-based generation, with thermal power from natural gas making up the largest share of its grid power generation. Total thermal generation contributes 54.4% of the total installed capacity while hydro plants contribute 45.15% and biomass 0.44%.







## Operational profile

GGML is located in north-western Tanzania, in the Lake Victoria goldfields of the Geita region. It is a large open-pit operation with a growing underground component. The mine produced 485koz of gold and employed ca.6,839 people in 2023. Mining of the Nyankanga open pit was completed in September 2020 and in April 2021, the Nyamulilima open pit started operating. Underground mining now takes place at Nyankanga.



Scope 1 and 2  
GHG Reduction  
Target of  
**30%**  
BY 2030

## AngloGold Ashanti's decarbonisation journey

In 2022, AngloGold Ashanti announced a plan to reduce Scope 1 and 2 greenhouse gas emissions by 30% (from a 2021 baseline) by 2030 through a combination of renewable energy projects and initiatives that improve efficiency or use lower-emission power sources.

As part of this plan, in 2023, the company entered into an agreement with Pacific Energy to integrate renewable energy into existing power generation infrastructure by constructing and operating 62MW of wind and solar generation capacity at its 70%-owned Tropicana Gold Mine in Western Australia. One of the largest renewable energy projects in Australia's natural resource sector, the project will significantly reduce the site's gas consumption and is scheduled to be completed in February 2025.

The project's completion will be a major step in AngloGold Ashanti's decarbonisation journey. Pacific Energy is constructing the facility and will continue to operate the combined renewables-gas power station under a 10-year power purchase agreement (PPA).

The wind-solar-battery storage facility is the first of its kind to be implemented within the AngloGold Ashanti group and is expected to reduce GHG emissions at Tropicana by 65,000 tonnes per annum over the 10-year life of the PPA.

AngloGold Ashanti's Climate Change Strategy is aligned to the recommendations of the Task Force on Climate-related Financial Disclosures. As a member of the International Council on Mining and Metals, the company is part of a landmark climate change commitment to achieve net zero Scope 1 and Scope 2 GHG emissions by 2050 and to accelerate action on Scope 3 GHG emissions, including setting credible targets in partnership with suppliers.



**More on our Roadmap to Net Zero:**

[www.anglogoldashanti.com/sustainability/environment/energy-climate-change/](http://www.anglogoldashanti.com/sustainability/environment/energy-climate-change/)

### Forward-looking statements

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