



CASE STUDY

GlyCat™ enables 80% reduction in CN & detoxification

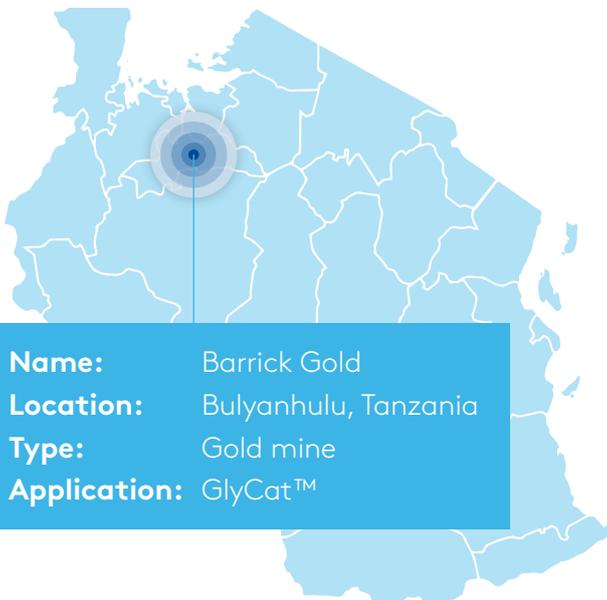
Barrick Bulyanhulu needed to reduce their CN consumption, detoxification and processing costs while maintaining their gold recoveries. After conducting a series of pilot tests, Barrick adopted a commercial user license for Draslovka's Glycine Leaching Technology for gold, GlyCat™.

The client

Barrick Gold Corporation (Barrick) Bulyanhulu is situated in north-west Tanzania.

Bulyanhulu is a narrow-vein gold mine containing gold, silver and copper mineralization in sulphides, with a head grade of head grade of approximately 5.8 g/t and mill nameplate capacity of 1.1Mtpa.

Bulyanhulu commenced commercial production in 2001 using CIL to leach a flotation concentrate.



The challenge

Barrick Bulyanhulu needed to reduce their CN consumption, detoxification and processing costs while maintaining their gold recoveries.

Historically, the Bulyanhulu site used 4.3kg of cyanide per tons of ore milled.

The solution

GlyCat™ is a revolutionary gold leaching technology that combines glycine with a low concentration of sodium cyanide to selectively leach gold while providing substantial cost savings and environmental benefits.

The results

Pilot tests revealed an **80% reduction** in sodium cyanide consumption, with equivalent gold recoveries as traditional cyanidation.

With GlyCat™ as part of the process, the mine's tailings show **undetectable levels of WAD** and are **free of cyanide**, thereby **eliminating SMBS for detoxification** and further **reducing costs**.

Barrick achieved a **cost savings** of at least \$5/t and a 10% saving of overall plant opex.

Barrick adopted a commercial user license for GlyCat™ in 2024.

Draslovka and Barrick's strategic partnership will now include a broader testing program during 2024 that will span multiple mining sites.



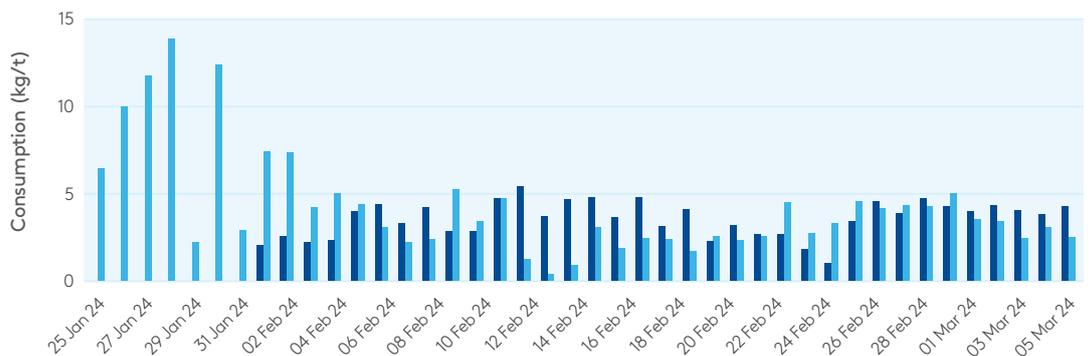
"The application of GlyCat™ technology within our operations has significant potential to deliver improved operational efficiencies and cost savings, whilst also improving our environmental legacy. Consequently, we are very pleased to embark upon this strategic partnership with Draslovka to take advantage of this innovative technology across our global operations."

Simon Bottoms, Barrick Mineral Resource Management & Evaluations Executive



Cyanide and Glycine consumption (kg/t)

■ Glycine consumption (kg/t) ■ Cyanide consumption (kg/t)



Free Cyanide & WAD in CIL last tank

■ Free CN Cyanide in the last tank ■ WAD Cyanide in the last tank

