



BM
BASE METALS
2023

**COPPER
COBALT
AFRICA**

IN ASSOCIATION WITH
THE 10TH SOUTHERN AFRICAN
BASE METALS CONFERENCE

13-15 JUNE 2023

AVANI VICTORIA FALLS RESORT,
LIVINGSTONE, ZAMBIA



Post-Conference Technical Tour

Kansanshi Copper Mine, Solwezi, Zambia

Friday 16 June 2023

A one-day post-conference technical tour will enable a limited number of delegates (maximum 13) to visit the diversified Kansanshi operation in Zambia.

Kansanshi, owned by First Quantum Minerals Ltd and commissioned in 2005, is one of the largest copper mines in Africa, with capacity of 150 kt/a Cu (21 kt by SX/EW), and 110,000 oz/1a Au.

Mining is carried out in two open pits using conventional open-pit methods and employing hydraulic excavators and a fleet of haul trucks. Ore treatment is flexible to allow for variation in ore type, with processing possible through an oxide circuit, a sulphide circuit, and a transitional ore 'mixed float' circuit, with facilities to beneficiate flotation-tails and concentrate to final cathode.

Sulphide ore is treated by crushing, milling, and flotation to produce copper concentrate. Oxide ore is treated via crushing, milling, flotation, leaching, CCD, and SX/EW processing to produce sulphidic and gold-bearing flotation concentrates as well as electrowon cathode copper. The hydrometallurgical circuit employs both pressure and atmospheric leaching

steps, and has five SX circuits and three tankhouses. Acid is provided by the adjacent smelter.

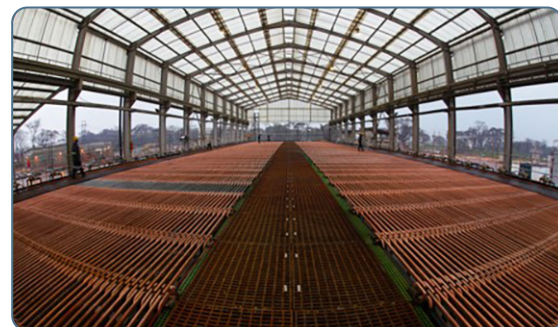
Gold is recovered by flotation, gravity concentrators, and Gemini tables. A high-grade concentrate is produced for direct smelting to gold bullion.

Tour Arrangements

Delegates will fly with Pro Charters from Livingstone to Solwezi early on Friday morning after the conference ends. Road transport within Solwezi will be by buses provided by the mine. The tour will finish at approximately 18h00 at Avani Victoria Falls Resort.

Delegates are required to provide their own safety boots for the technical tour. Other PPE will be provided by the mine.

Owing to limited flight availability, the tour is limited to a maximum of 13 people, based on first-come, first-served basis. Reservations must be made by no later than 30 April. Confirmation will be provided on receipt of booking form and payment. A detailed itinerary will be provided to confirmed delegates.



For more information visit

<https://www.saimm.co.za/saimm-events/upcoming-events/copper-cobalt-africa>