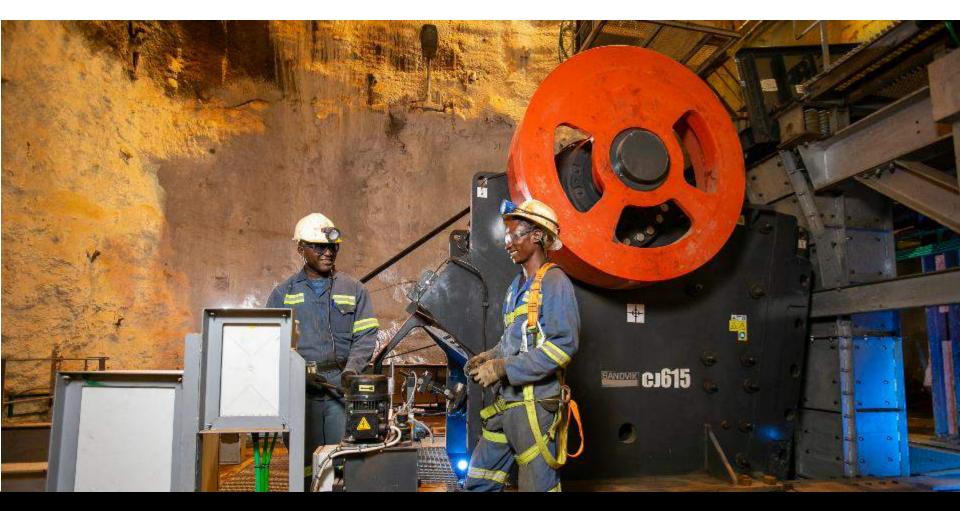


# PROGRESS GALLERY November 2018 Building futures. Strengthening communities.



For the first time in more than 26 years, a skip containing previously mined rock was successfully hoisted from Kipushi's underground workings to surface via Shaft 5 after having passed through the full underground crushing and conveyor system.

Click here to view the short video.

# Building what will be 3 of the world's best mines in Southern Africa's legendary mineral fields

### KAMOA-KAKULA

Initial development of two mining areas on world's 4<sup>th</sup>-largest copper discovery

Democratic Republic of Congo's Central African Copperbelt

### **PLATREEF**

Mine projected to be
Africa's lowest-cost producer
of platinum-group metals,
plus nickel, copper & gold

Northern Limb of South Africa's Bushveld Complex

### **KIPUSHI**

Ultra-high-grade
historic mine being
upgraded to produce
zinc, copper, silver,
germanium & lead

D.R. Congo's Copperbelt



A fly-over video showing the surface construction at the Kakula main box cut and declines that will provide access to the northern side of the high-grade Kakula Deposit. Click here to view the video.



Members of senior management teams from Ivanhoe Mines and Zijin Mining at the location of the new box cut on the southern side of the Kakula Deposit.



Alain Kaluwaji drilling a geo-technical hole at the site for Kakula's new, southern box cut. Construction soon will begin on the box cut and a second set of declines to provide access to the high-grade copper on the southern side of the Kakula Deposit.



Workers mixing concrete for the injection of rock-support cables at the bottom of the conveyor decline. The main decline development work to provide access to the high-grade copper resources on the north side of the Kakula Deposit is progressing well and is expected to be completed around the end of the year.



Additional underground mining equipment recently arrived on site at Kamoa-Kakula. The new equipment will be used to increase the pace of underground development at the Kakula Mine.



Drillers displaying a core box containing a thick, significant intercept of visual bornite (a high tenor copper mineral) in a recent drill hole in the Kamoa North prospect area.

Exploration drilling at Kamoa North, on the 397-square-kilometre Kamoa-Kakula mining licence, has successfully delineated two new, continuous corridors containing zones of shallow, thick, high-grade copper mineralization.



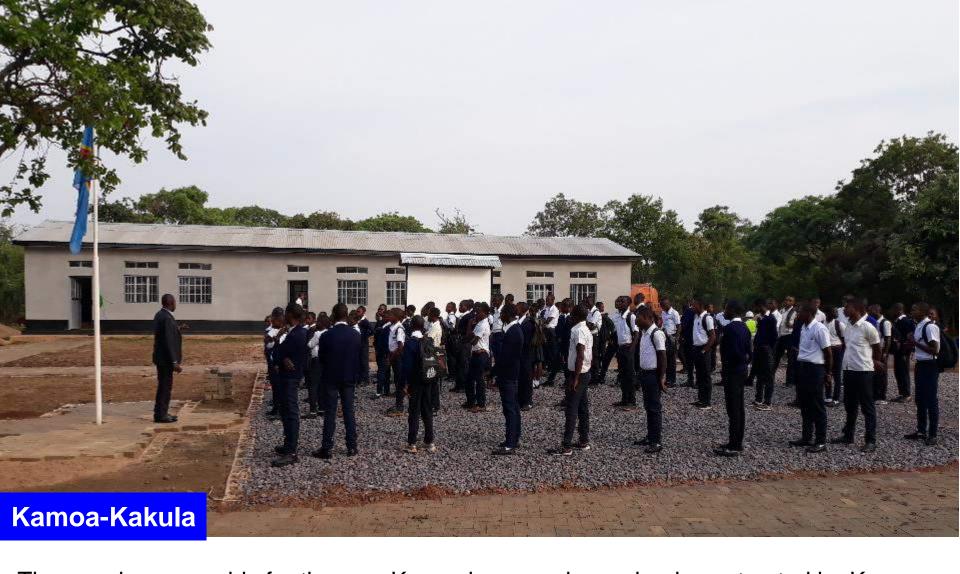
Kamoa-Kakula's geological team discussing high-grade core from a recent Kamoa North drill hole.



One of two drill rigs conducting step-out drilling to the north of the Kakula West Discovery. Approximately 80,000 metres of drilling have been completed at Kamoa-Kakula this year.



Brick-making operations at Kamoa-Kakula, one of the community socio-economic projects supported by the Kamoa Copper Sustainable Livelihoods Program. The program is focused on sustainable development in the communities surrounding the Kamoa-Kakula Project.



The opening assembly for the new Kaponda secondary school constructed by Kamoa Copper in a local community near the Kamoa-Kakula Project. Construction and upgrading of local schools is an important community development initiative undertaken by the Kamoa-Kakula Project team, as the project is situated in a rural area historically characterized by low literacy rates.



Three new community fish ponds recently were constructed by the Kamoa-Kakula Project team, bringing the total to nine fish ponds in local communities near Kamoa-Kakula. The fish-farming initiative is designed to teach aquaculture skills to local community members, help enhance their nutrition, and provide them with opportunities to earn additional income.



An exploration rig drilling at the Makoko Discovery on Ivanhoe's 100%-owned Western Foreland licences.

## **Platreef, South Africa**

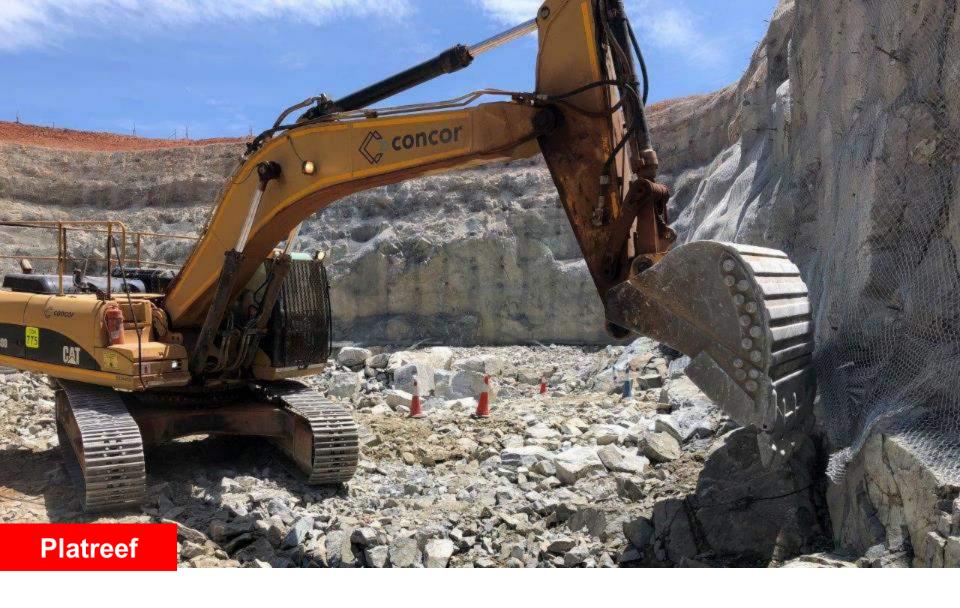
Platreef's milestone achievement of Shaft 1 reaching the high-grade Flatreef Deposit, at a depth of 780.2 metres below surface, was featured in the November 2018 edition of Mining Review Africa magazine.

To read the article, click <u>here</u>.





Ongoing excavation of broken rock in the box cut for Platreef's Shaft 2.



Removing broken rock from the eastern wall in the box cut for Shaft 2.



Drilling holes into the sidewall of the Shaft 2 box cut in preparation for the installation of slope-stability anchors.



Installing a slope-stability cable anchor into the sidewall of the Shaft 2 box cut.



Shane Moheni, Platreef Assistant Surveyor, checking the excavation levels in the box cut for Shaft 2.



Constructing a safety walkway in the Shaft 2 box cut.



Ivanplat's engineers, Ayaka Mongonya and Tim Hudson, returning from a safety inspection of the Shaft 2 box cut.

Shaft 1 headframe is in the background.



Members of Platreef's geological team in Shaft 1, which now has reached a depth of approximately 845 metres below surface. Work on the 850-metre-level station, the third of four stations in Shaft 1, is expected to begin in December.



Engineers monitoring air-quality readings at one of Kipushi's ventilation shafts.



The recently refurbished Shaft 4 conveyor tower, one of the surface infrastructure upgrading projects now underway at Kipushi.



Rail technicians assessing the condition of the Sakania-Munama spur line near Kipushi.



The Kipushi Project awarded more than 40 bursaries and scholarships earlier this month to recipients from a local high school.



Jean Kalenga Mambepa, Vice Governor of the DRC's Haut-Katanga Province, cutting the ribbon at the official opening of Kipushi's new Literacy and Sewing Centre, a community support initiative sponsored by the Kipushi Project.