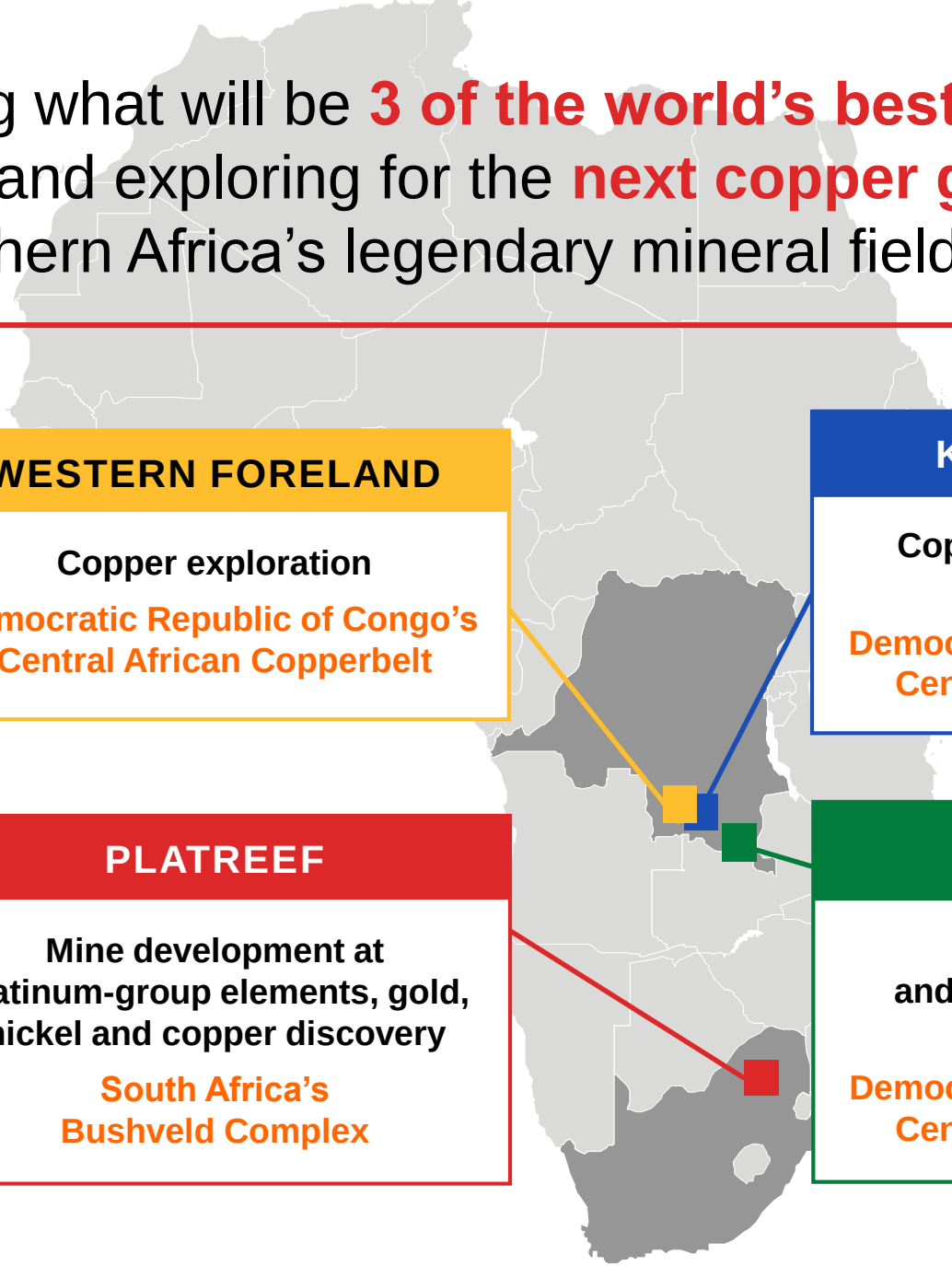
IVANHOE MINES
NEW HORIZONS

PROGRESS GALLERY / August 2020

Building futures. Strengthening communities.

Members of Kamoa-Kakula's construction team in front of one of the ball mill shells prior to it being lifted into place by a 400-tonne crane. Construction of Kakula's initial, 3.8-million-tonne-per-annum (Mtpa) concentrator plant is progressing rapidly.

Building what will be **3 of the world's best mines** and exploring for the **next copper giant** in Southern Africa's legendary mineral fields



WESTERN FORELAND

Copper exploration

Democratic Republic of Congo's Central African Copperbelt

KAMOA-KAKULA

Copper mine development and exploration

Democratic Republic of Congo's Central African Copperbelt

PLATREEF

Mine development at platinum-group elements, gold, nickel and copper discovery

South Africa's Bushveld Complex

KIPUSHI

Zinc, copper, silver and germanium at historic, high-grade mine

Democratic Republic of Congo's Central African Copperbelt

The second of three ball mill shells for the Kakula primary mill being lifted into place; with the second identical mill scheduled to be delivered to site this month. The initial 3.8-Mtpa processing plant at the Kakula Mine is on track to begin producing copper concentrate in Q3 2021.

Contractors bolting together the shells for the 9.75-metre-long and 6.1-metre-wide primary ball mill – the first of two identical ball mills to be installed at Kakula's initial 3.8 Mtpa processing plant.

Installation of the discharge end and trunnion for the first ball mill, with the mill discharge sump already in place. To watch a short video showing the recent construction progress at the processing plant, please click here: https://vimeo.com/453379436

A convoy of trucks carrying structural steel and equipment to the Kamoa-Kakula Project. The last truckloads of long-lead items for Kakula’s processing plant are expected to arrive at site before the end of September.

Morgane Marquisaud, Kamoa Copper Contract Administration Supervisor, reviews mining equipment contracts for the Kakula and Kansoko mines. Ivanhoe has prioritized an increase in the number of female employees at all three of our mine development projects.

Micheline Kyenge, Mine Geologist, samples one of the ultra-high-grade, chalcocite-rich working faces in the Kakula Mine. Chalcocite is gray-coloured copper ore that is almost 80% copper by weight.

Approximately 85% of Kamoa-Kakula's current 4,700-strong workforce are Congolese nationals from nearby communities.

KAMOA-KAKULA

Hydro workers erecting a transmission tower for the new 35-kilometre powerline that will carry high-voltage hydro-electricity from the national grid to the Kamoa-Kakula Project.

Members of the Kakula kitchen staff preparing fresh fruits and vegetables; all of which were grown locally in community-run gardens, then sold to the Kamoa-Kakula Project. Another example of the Kamoa-Kakula Sustainable Livelihoods Program supporting economic diversification in surrounding communities.

KAMOA-KAKULA

Local farmers with their cabbage crop in one of the community gardens near the Kamoa-Kakula Project.

Long Hui Zhang (Senior Underground Training Instructor, left) and Mark Farren (Kamoa Copper CEO, right) in Kamoa-Kakula's state-of-the-art training centre that is used to train a new generation of Congolese miners.

A Sandvik 63-tonne haul truck dumps its load of ore into the east tipping bin that feeds the Kakula North decline conveyor belt.

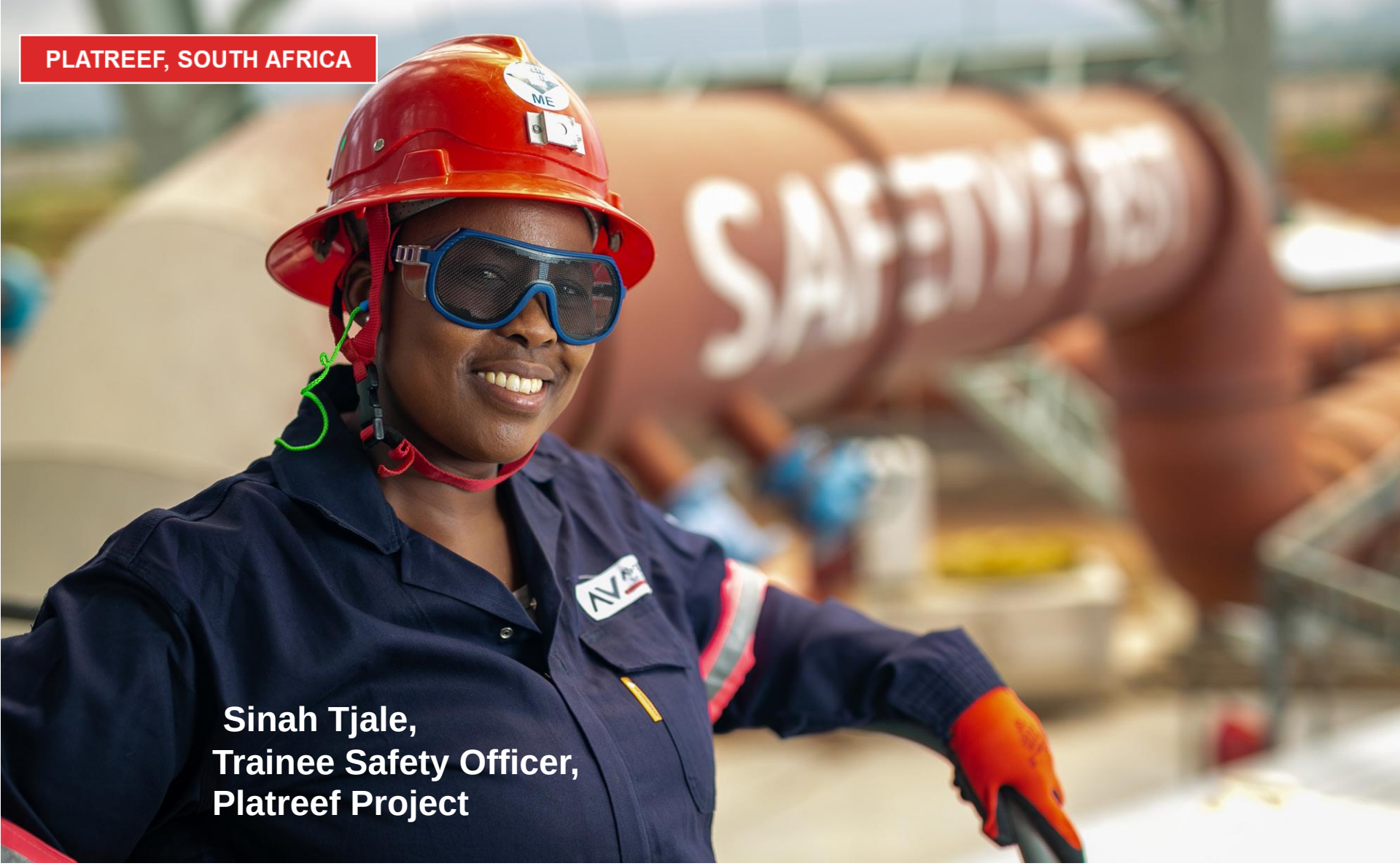
Abel Muyumba, Kamoa Technical Coordinator, supervising the installation of piping to carry water from Kakula's room-and-pillar underground dam to surface settling ponds.

Martin Nkulu, conveyor belt attendant, monitoring high-grade copper ore being delivered to surface via the Kakula North decline conveyor, which has the capacity to transport 2,000 tonnes of ore per hour.

Employees from DRC-based construction company, Majengo, at Kakula's run-of-mine (ROM) stockpile tunnel.

Construction workers assembling the conveyor feeder system for the processing plant’s high-pressure grinding rolls.

Electricians from Andritz Hydro, of Vevey, Switzerland, installing a new turbine valve at the Mwadingusha hydro-electric power plant in the Democratic Republic of Congo. The upgrading of the Mwadingusha facility, in conjunction with Société nationale d'électricité (SNEL), is an important step in Kamoa-Kakula's goal of producing the world's greenest copper.



As we honour and celebrate women during the month of August, Ivanhoe Mines pays tribute to the diverse, remarkable women that make the Ivanhoe family so successful.

Solly Marakalala, Lampsman, calibrating the gas-detection safety instruments before the next shift commences at the Platreef Project.

Workers installing a grooved coiling sleeve, manufactured by Empowered Engineering Technologies of Edenvale, South Africa, to the auxiliary winder drum. The new auxiliary winder for Platreef's 7.25-metre diameter Shaft 1 is scheduled to be delivered to site later this year and will assist in equipping the shaft for rock, personnel and material hoisting.

PLATREEF

Containerized winder drive and driver's desk for the Auxiliary Winder has arrived in Johannesburg, South Africa, in advance of Platreef's Shaft 1 change-over execution.

Mine development work at Platreef now is focused on equipping recently-completed Shaft 1 for first production.

PLATREEF

Jan Mojapelo, Ventilation Officer, measuring air flow volume from Platreef's Shaft 1 surface exhaust fan with a Pitot tube.

Paul Ilunga Dikwenda, Underground Manager (left), and Mbiya Kabongo, Ventilation Officer (right), conducting the monthly ventilation audit on Kipushi's 1,132-metre level.

Kamanda Nyandwe painting new pipes carrying clean water from Kipushi’s underground pumping station to surface settling ponds.

KIPUSHI

Tshimata, Winder Operator, driving Kipushi's P2 winder during a routine shaft inspection.

KIPUSHI

(L to R) Jonas Tshinkobo, Superintendent; Paulin Mulaj, Senior Engineer; and Benoit Mufaume, Safety, Health & Environment (SHE) Superintendent, conducting an inspection of the P15 electrical substation.

Danielle Brown, Paramedic (left), and Eliane Ngoie, Nurse (right), conducting COVID-19 rapid testing at the Kipushi Mine.

KIPUSHI

Louis Watum (right), Kipushi Corporation’s General Manager, donating a box of COVID-19 antigen tests to Kiki Mushota (left), Kipushi Territory Health Administrator. Kipushi has donated 4,000 rapid antigen tests to the Kipushi Health Zone, and 2,000 cloth masks to local students who have resumed classes.