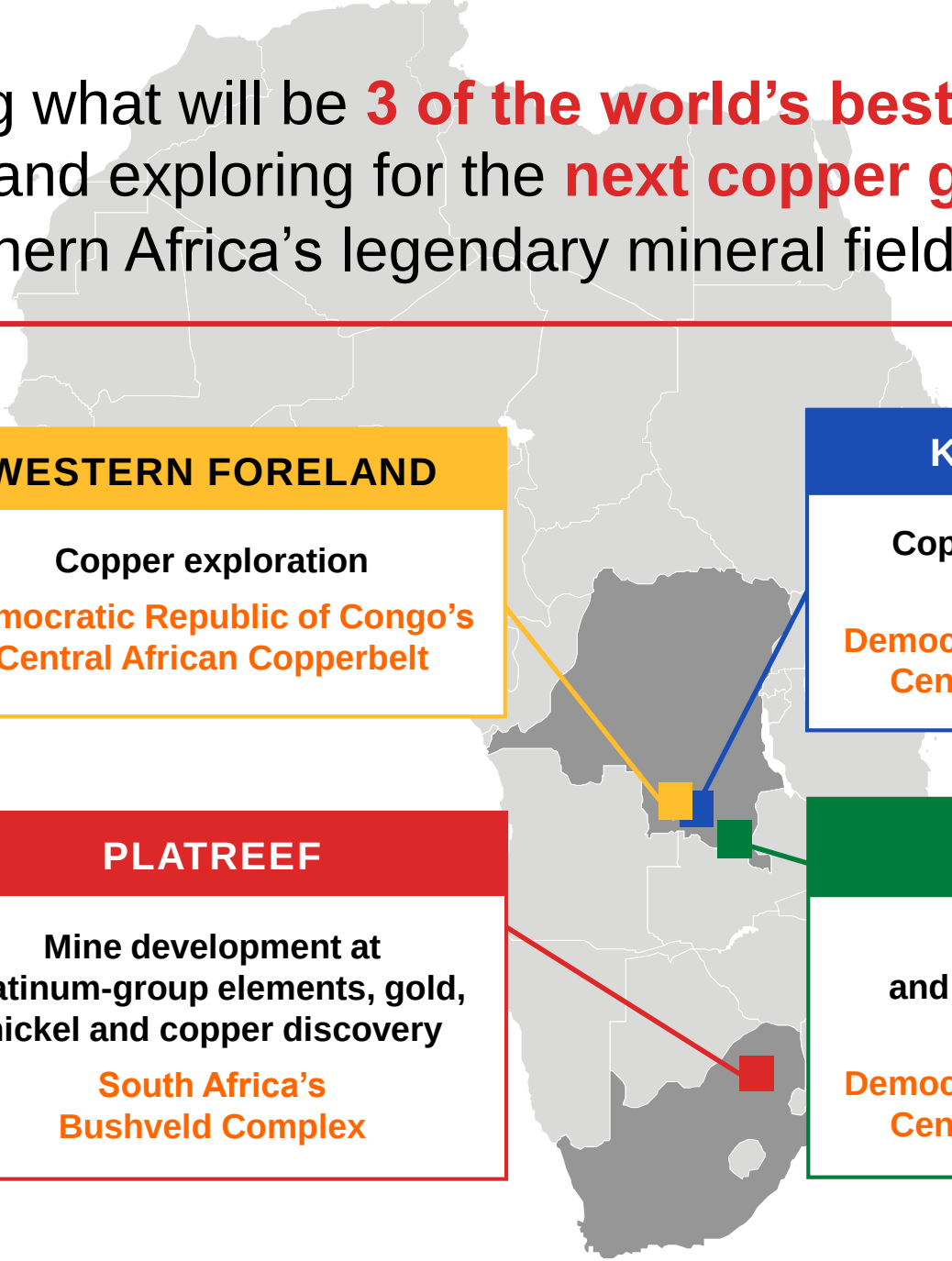
IVANHOE MINES
NEW HORIZONS

PROGRESS GALLERY / JULY 2019

Building futures. Strengthening communities.

The Kakula Mine development team watched the completion of the reaming of Kakula's first ventilation shaft earlier this month. The 5.5-metre diameter shaft is the first of five ventilation shafts to be raise bored in Kakula's first phase of development. Watch the video here.

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

In July, members of the Kamoa-Kakula Copper Project team celebrated 15 million lost-time-accident-free hours.

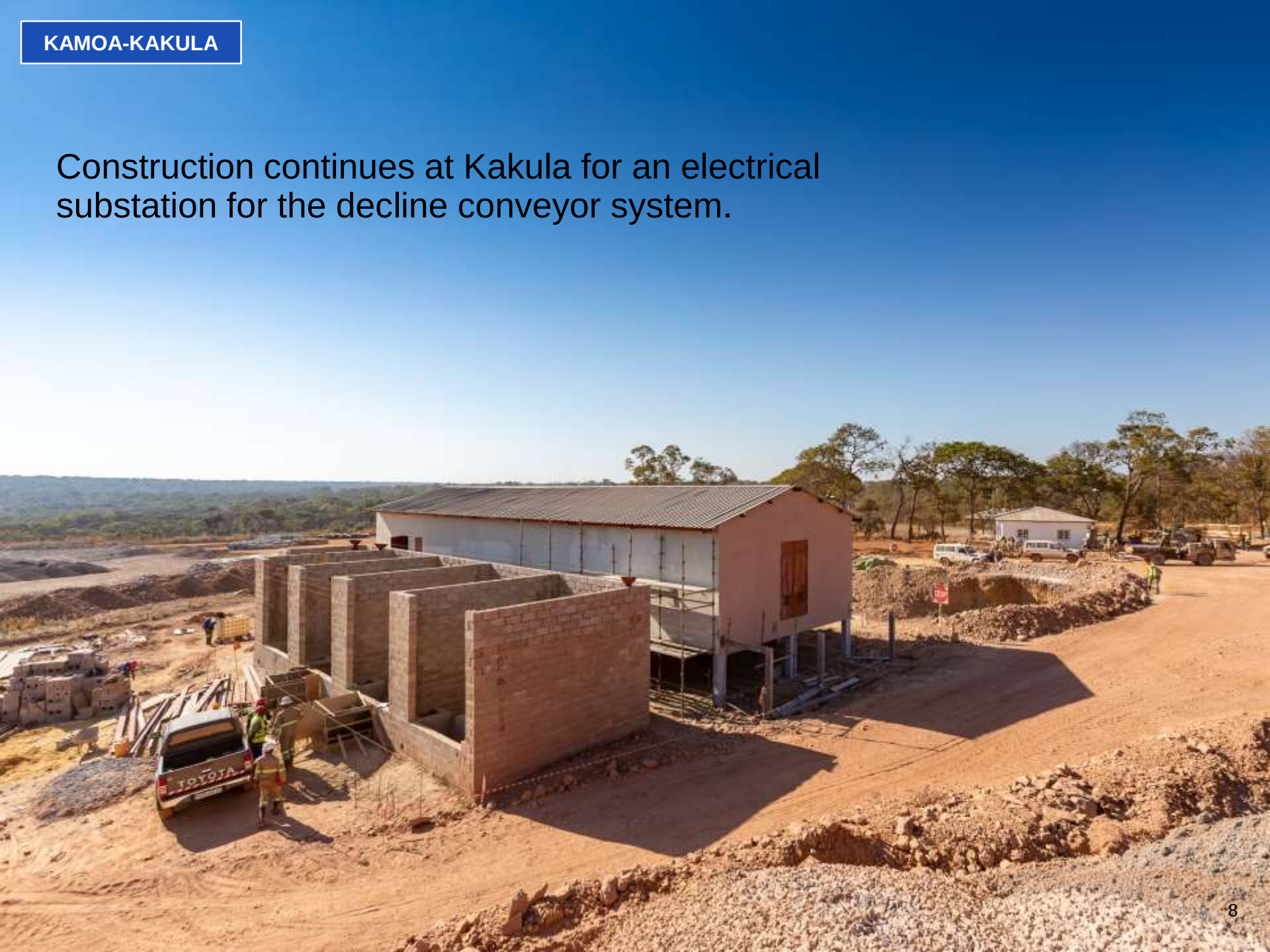
Members of the Kakula underground development team conducting tests at the new pumping station.

Portal to Kakula’s south decline. The decline will provide additional access and ventilation to Kakula’s mining areas.

Construction is underway on the foundations for the conveyor that will transport ore from the Kakula underground mine to the processing plant on surface.

Surface terracing of the site for the Kakula processing plant.

Construction continues at Kakula for an electrical substation for the decline conveyor system.



Mining Engineer Fabrice Nkomba (left) reviewing construction plans with an employee from JMMC, the DRC subsidiary of leading Chinese mining contractor JCHX, for the surface facilities at ventilation shaft 1.

KAMOA-KAKULA

Ongoing construction of the new 34-kilometre highway directly linking the Kamoa-Kakula Copper Project to the Kolwezi airport, located southeast of the city of Kolwezi. The new highway is expected to be fully operational by the end of 2019.

Drilling along strike of the Kamoa North Bonanza Zone.
A sixth drill rig has been added to the Kamoa North drilling program to accelerate the delineation of this extremely high-grade discovery.

Kamoa-Kakula geologists evaluating high-grade drill core from a recent hole drilled at the Kamoa North Bonanza Zone.

KAMOA-KAKULA

New computers installed at the Kansoko training centre, part of Kamoa-Kakula’s skills upgrading initiative.

The Kamoa-Kakula construction team commencing the second phase of construction on the school at the nearby village of Kamisange.

Farmers tending to crops near fish ponds at the village of Kamisange. Given the tremendous success of the fish farms to date, the Kamoa-Kakula team is constructing an additional five fish ponds in the village.

Kazadi Cyprian Mumbaunder (left), a local community farmer, receiving training from Paul Kabengele (right), an Advisor with Kamoa-Kakula's Sustainable Livelihoods Program. This past month, 17 new farmers were trained in agriculture and fish farming management.

Overhead view of Platreef's Shaft 2 box cut and headframe (hitch) foundation. Platreef, which contains 4.1 billion pounds of nickel in Indicated Resources at a cut-off grade of 1 gram PGMs per tonne, is benefitting from a surge in nickel prices − up almost 40% this year to over US$6.50/lb.

Workers spreading fresh concrete around reinforcing steel bars on the foundation surrounding the 10-metre-diameter outline for Shaft 2. Construction of the foundation now is complete, with the final concrete poured earlier this month.

Workers spreading concrete around the high-strength reinforcing steel bars in Shaft 2's foundation.

Workers putting the finishing touches on the eighth and final concrete pour for Shaft 2 foundation.

PLATREEF

Construction of the Shaft 2 headframe foundation has successfully been completed.

Testing the ventilation at Shaft 1’s 750-metre-level station. The shaft bottom currently is at approximately 900 metres below surface. The next station development is at 950 metres below surface, and completion of the shaft to a depth of 982 metres below surface is planned for early 2020.

Members of Platreef's engineering team and Moolman's (formerly Aveng Mining) shaft-sinking team on Shaft 1's 750-metre-level station.

PLATREEF

Looking down Shaft 1 from the 850-metre level. With Platreef's 'metals-price basket' trading at three-year highs, the project's engineering team is assessing an early-stage, high-grade production plan using Shaft 1.

PLATREEF

Members of Moolman’s shaft-sinking team offload equipment at surface, adjacent to Shaft 1.

PLATREEF

A group of Platreef trainees from local communities surrounding the Platreef Project.

PLATREEF

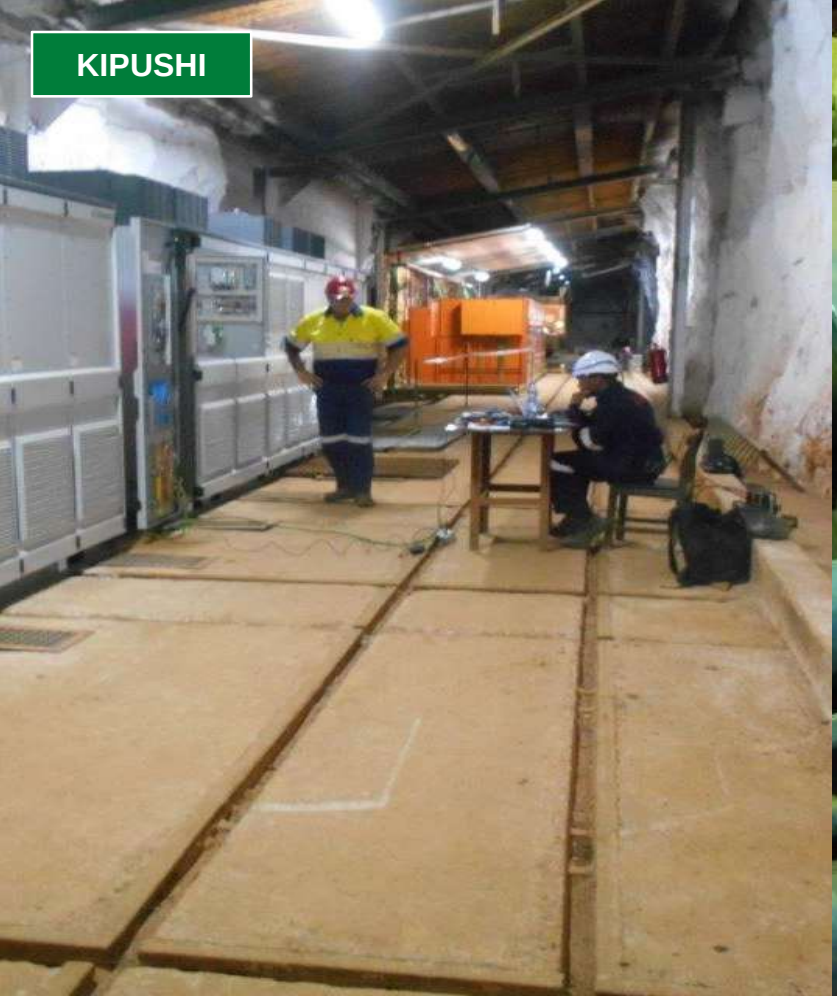
Students and staff at Majakathata Créche, a local community day care, were joined by Platreef employees to celebrate Mandela Day on July 8th. Former President Mandela's legacy of devotion to human rights inspired change and the impact he made continues to live on.

Non-destructive testing conducted on cage attachments as part of regular maintenance at Kipushi.

Kipushi’s engineering team conducting electro-magnetic testing of the steel cables (ropes) on the mine’s drum winders.

Refurbished and newly painted overhead crane at Kipushi's 850-metre-level pump chamber.

KIPUSHI



Commissioning pumps 4 and 5 at Kipushi’s 1,200-metre-level main pumping station.

KIPUSHI

Installing Kipushi’s new P2 winder.

Kabamba Ngoie, a Kipushi employee, constructing new walls for a community potable water pumping station that Kipushi is renovating as part of its community support program.