

NORTHAM

mining that
matters

Andre Mulder Group Metallurgical Manager at Northam

safety

covid

environmental requirements

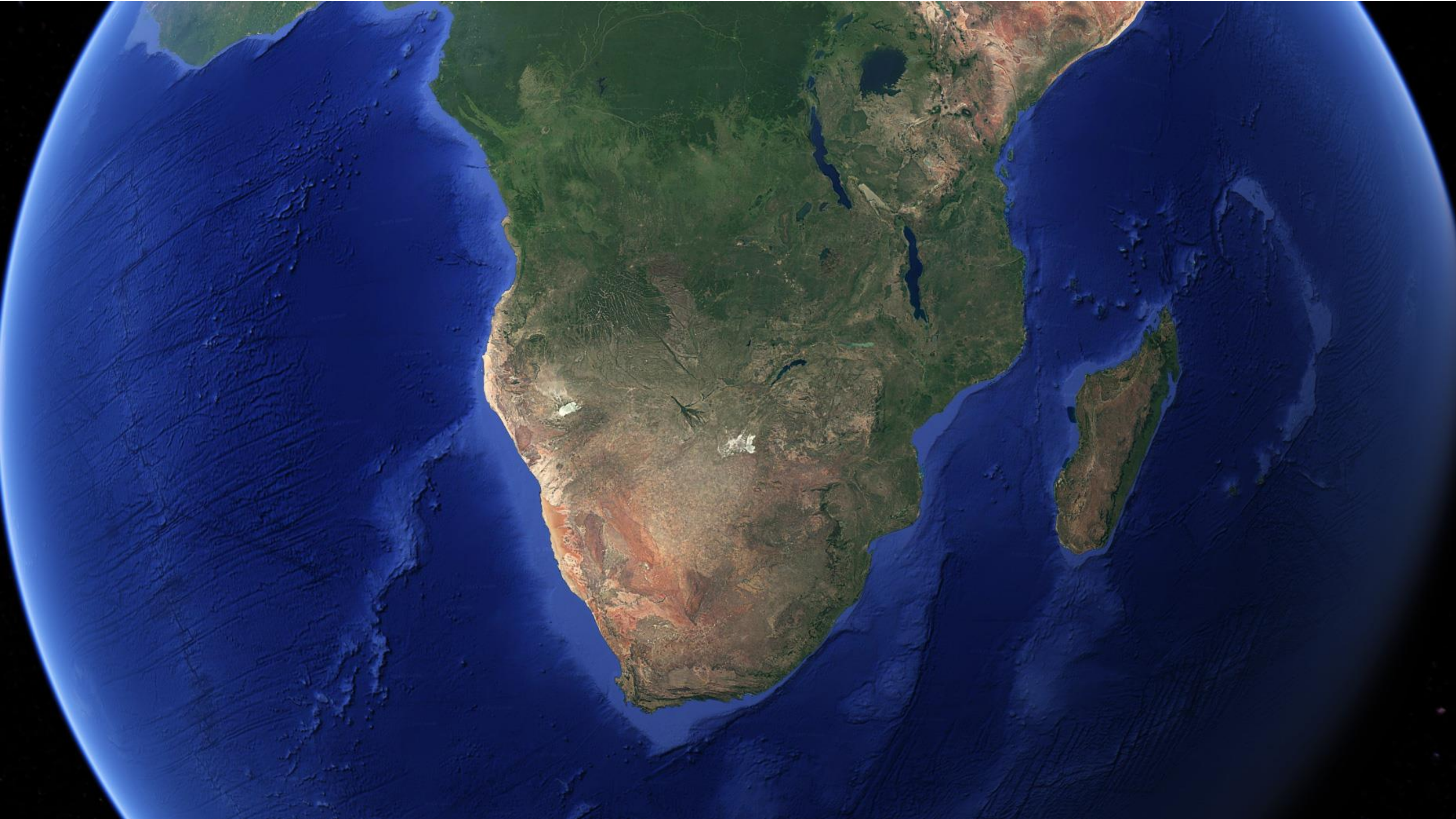
Innovation

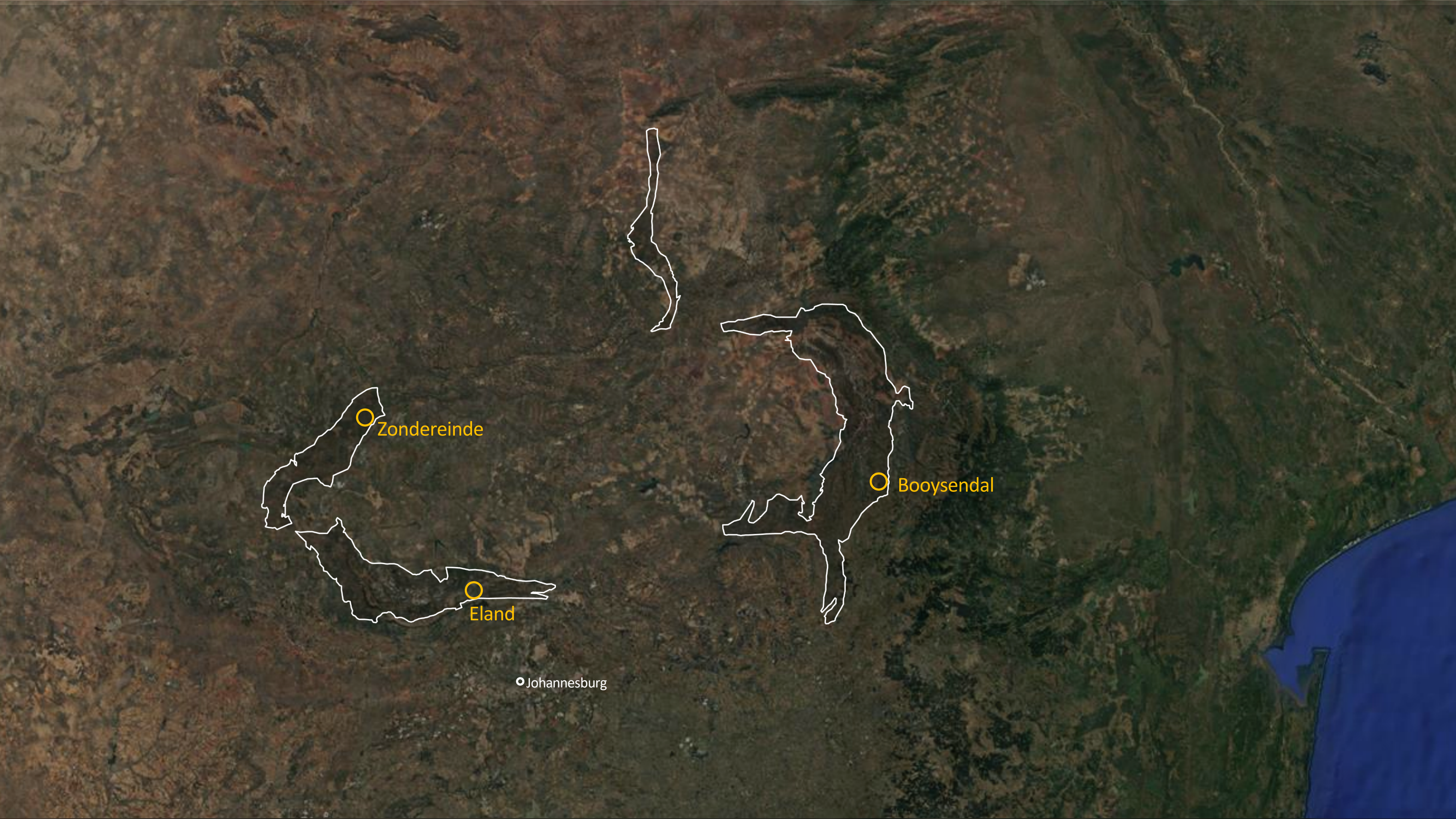
power supply

PGM market

in a world that forces us to
be even more inventive.

NORTHAM



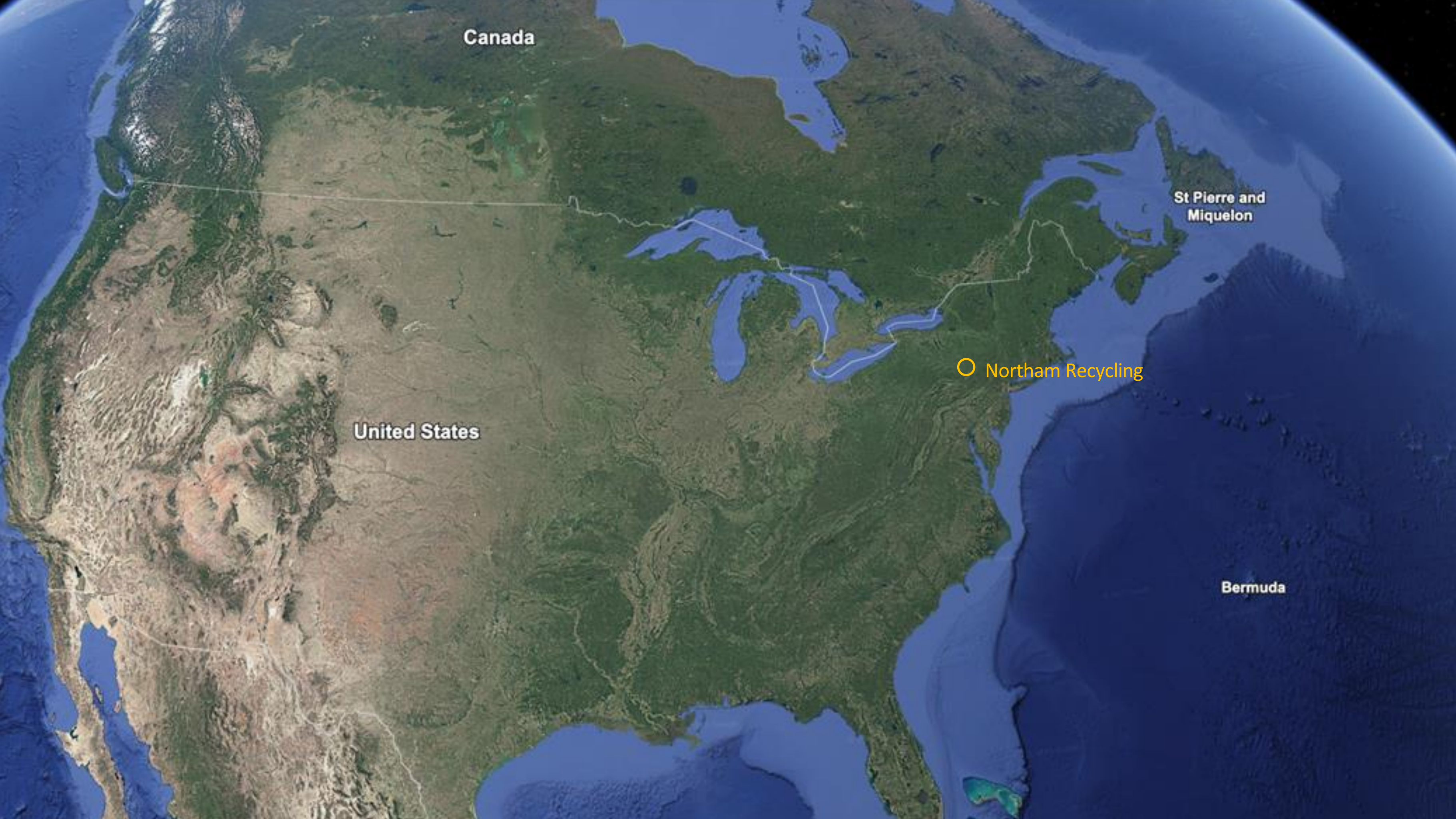


○ Zondereinde

○ Eland

○ Booyssendal

○ Johannesburg



Canada

St Pierre and
Miquelon

○ Northam Recycling

United States

Bermuda



Everest mine acquisition

2014

2015

2016

283 408 oz 4E

436 960 oz 4E

2016

436 960 oz 4E

Acquisition of Western extension in Zondereinde



2018

483 941 oz 4E



Acquisition of Eland mine

2020

515 370 oz 4E

2014

283 408

k0z 4E

2025

1006 475

k0Z 4E

Zondereinde



Booyssendal



Eland





innovation

education

jobs

opportunities

positive

future

communities

progress

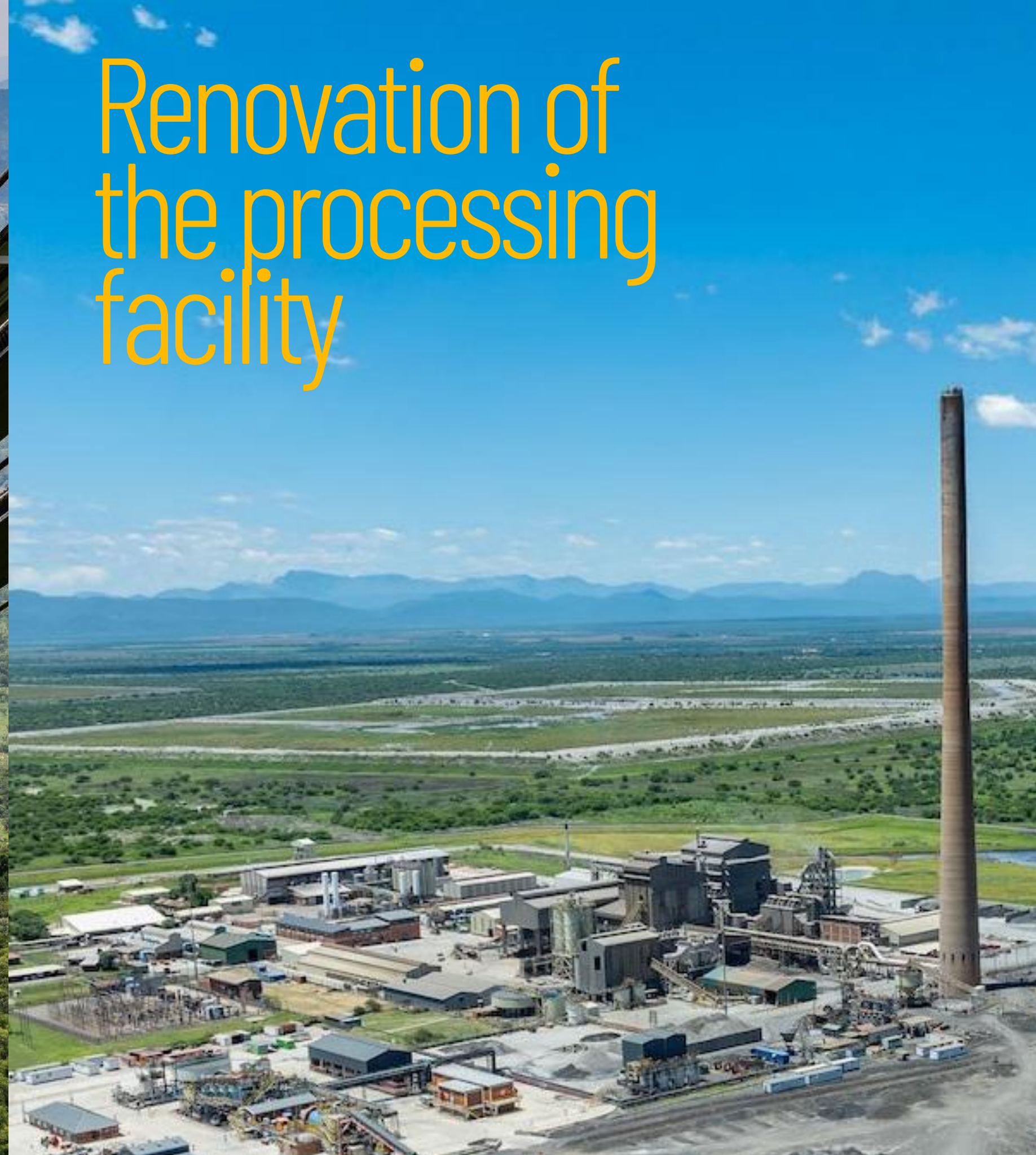
empowering

+ maximising value
minimising impact

mining that matters.



The aerial
rope
conveyor



Renovation of
the processing
facility



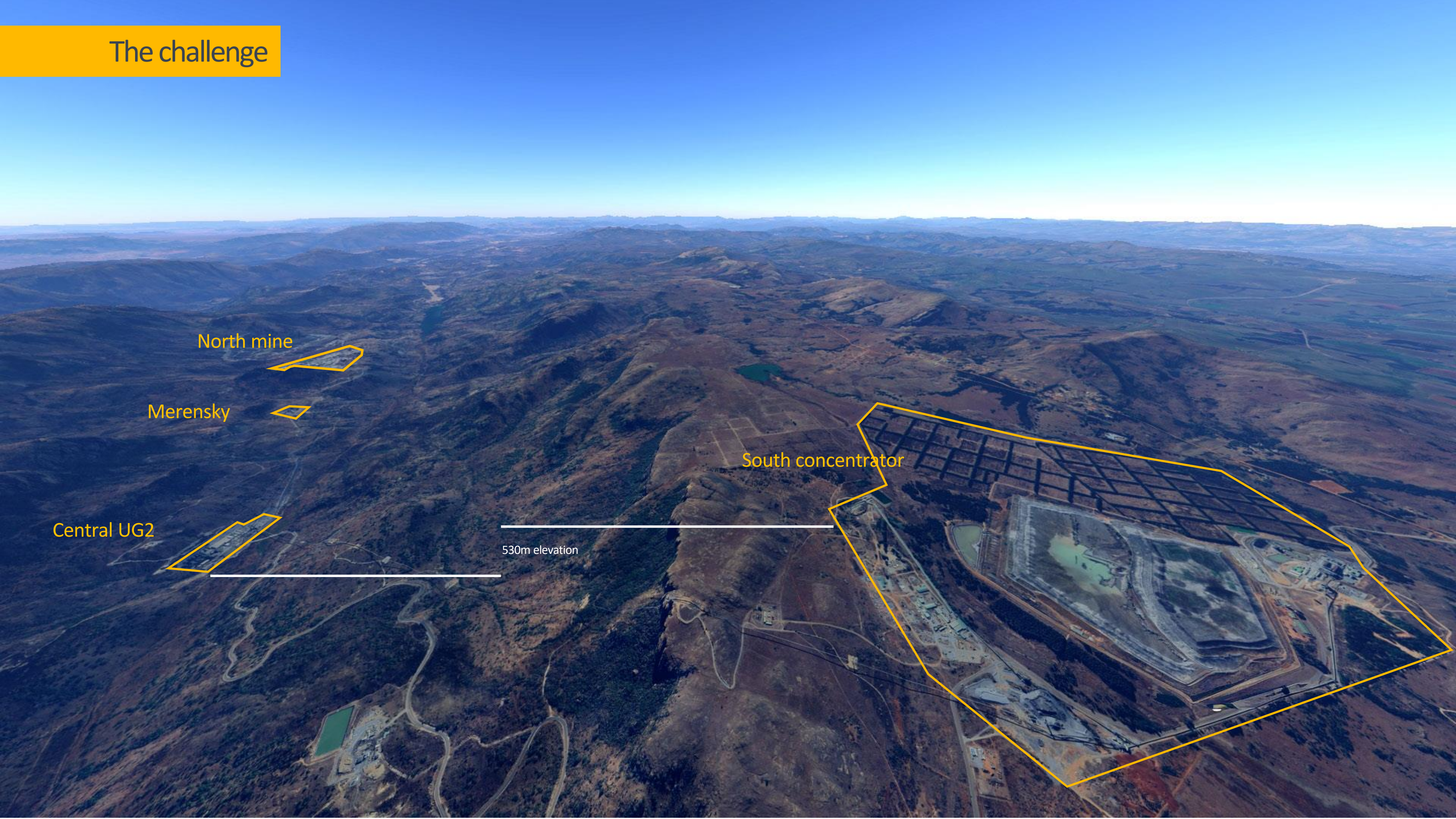
The aerial rope conveyor

Booyseendal

The challenge

A challenging location

The challenge



The solution



The solution



The solution

LENGTH

7.6 km



The solution

15 million tonnes of ore
transported to date

The solution



The solution



Before Ropecon

250 000

k0Z 4E

The output

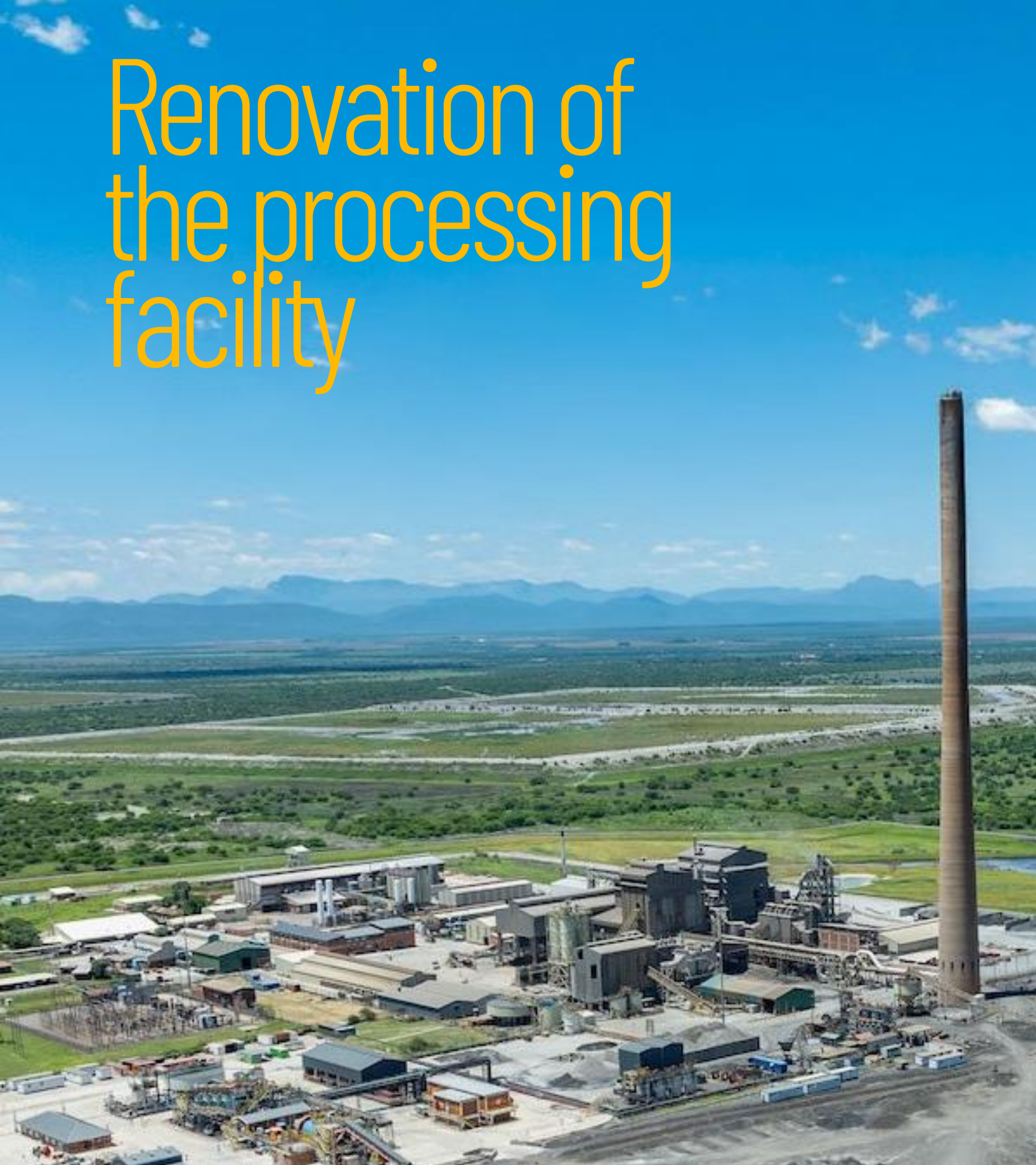
After Ropecon

500 000

k0Z 4E



The aerial
rope
conveyor



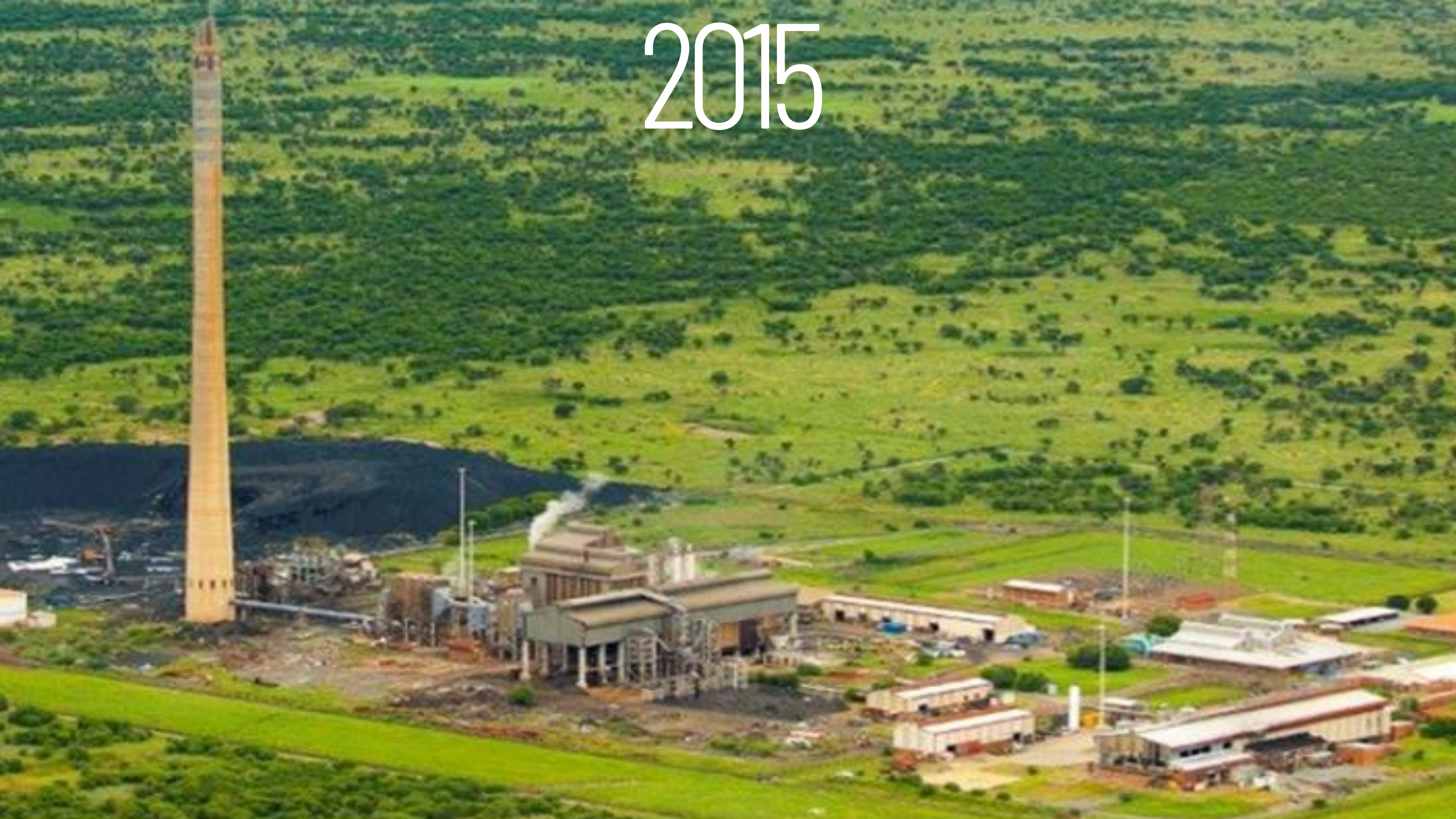
Renovation of
the processing
facility



Renovation of the processing facility

Processing converts mining
effort into cash

2015



The challenge

Culture shift



The challenge

Culture shift Modernisation



The challenge

Culture shift
Modernisation
Expansion lag



The challenge

Culture shift
Modernisation
Expansion lag

Skills gap



Culture shift
Modernisation
Expansion lag

Skills gap
Pandemic impact



Culture shift
Modernisation
Expansion lag

Skills gap
Pandemic impact
Supply Disruptions

Skills gap

Culture shift

Pandemic impact

Modernisation

Expansion lag

Supply Disruptions



Multiple project execution

Innovative materials handling

Hybrid execution models

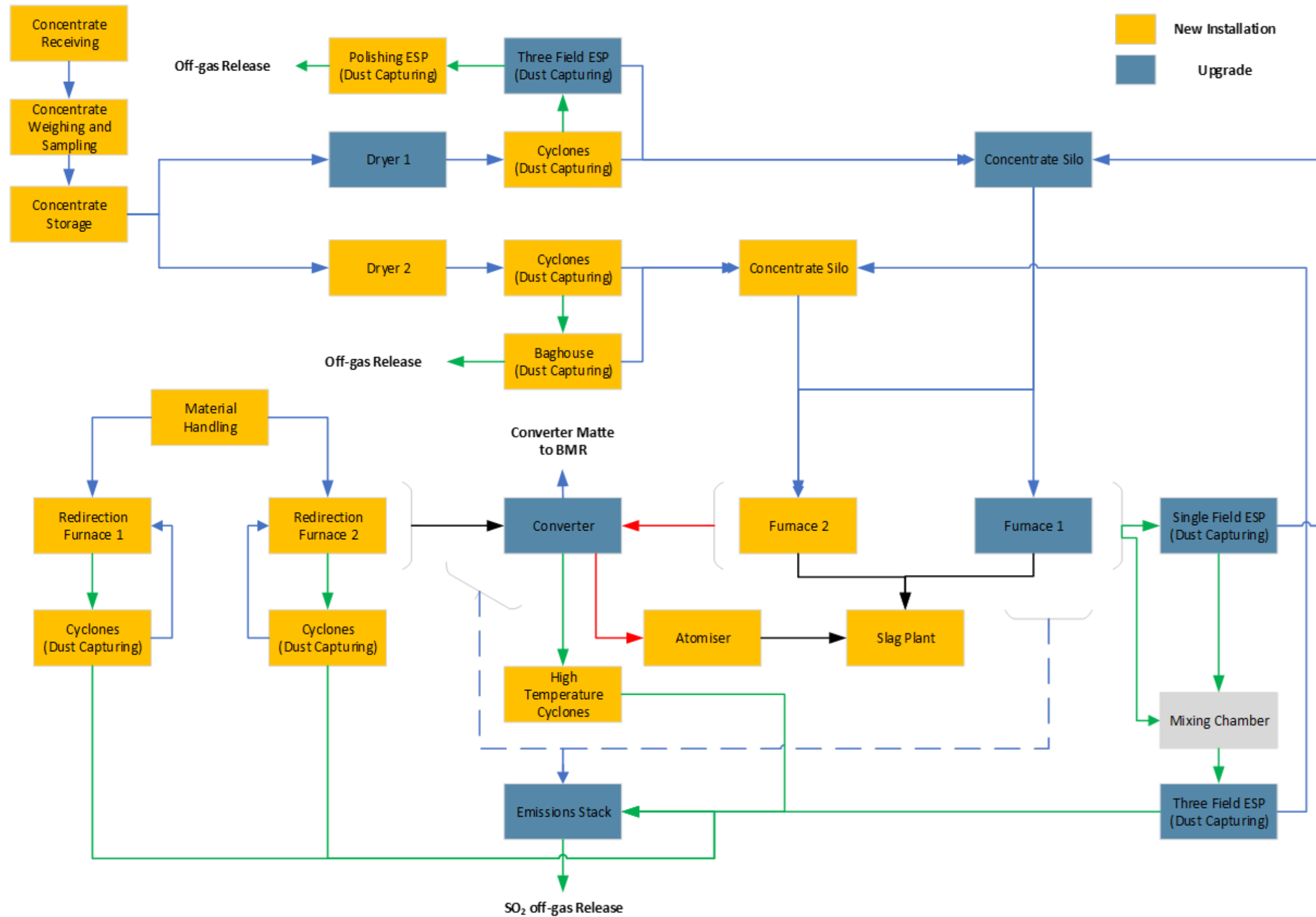
Parallel project execution

Adaptive scheduling



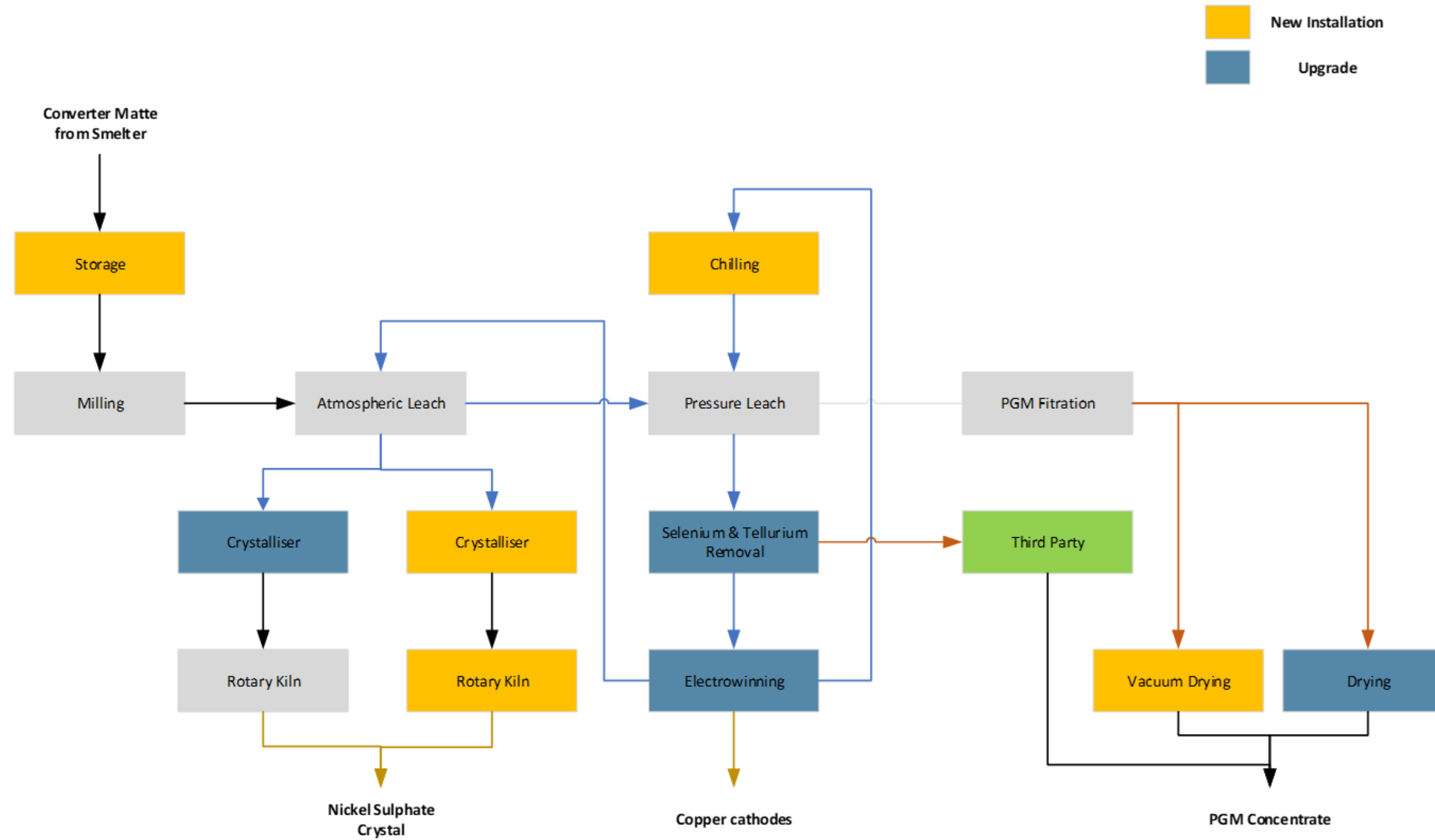
The solution

Smelter Flow Diagram



The solution

Base Metal Removal Plant – Flow Diagram



Today



The output

World-class
complex

Capacity aligned
to growth

Optimised
metallurgy

Efficiency
at scale

Built-in
resilience

Leapfrogging,
not catching up



We thrive in adverse conditions



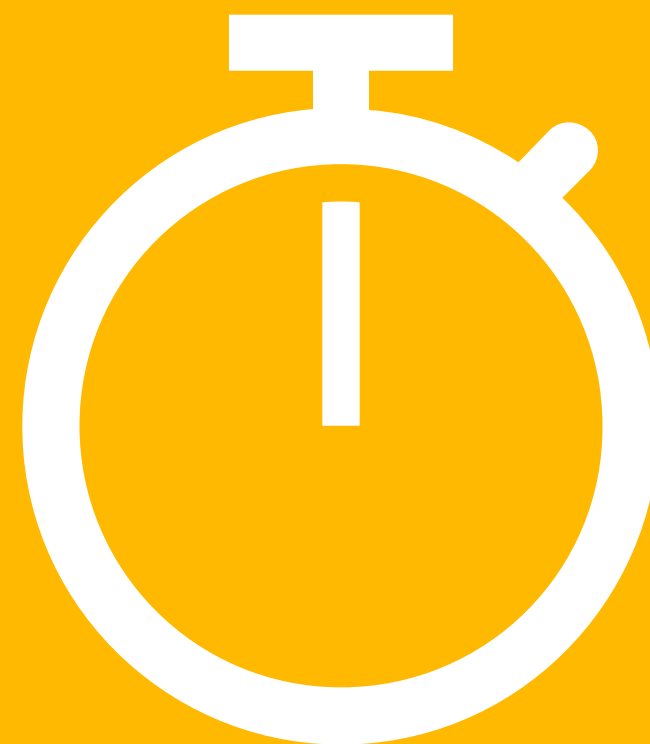
challenge





opportunity





NORTHAM

+ maximising value
minimising impact

mining that matters.