



**exxaro**

POWERING POSSIBILITY

# Absa mining conference 2025

*Rehabilitation and  
mine closure*

22 May 2025

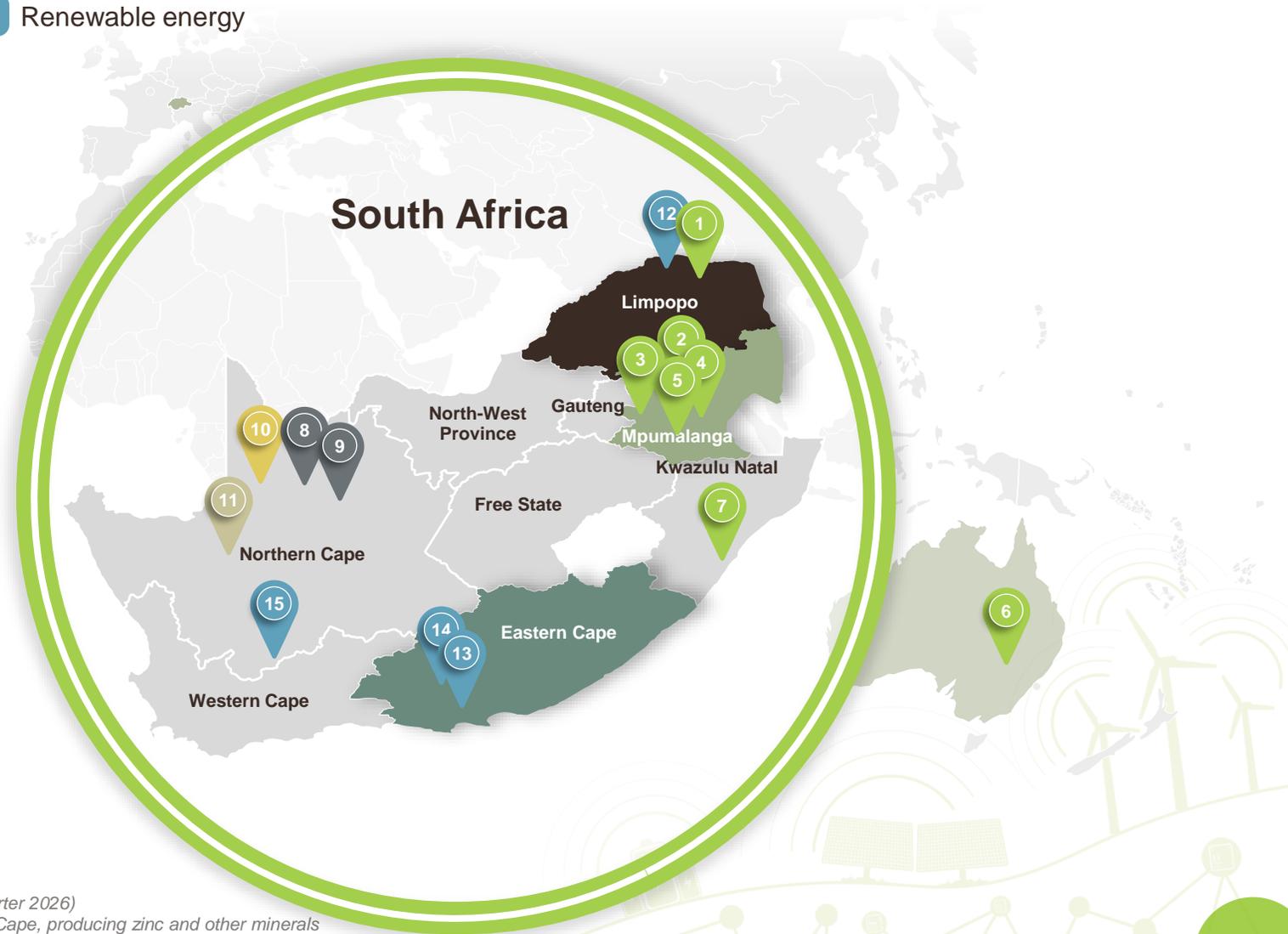
JSE: EXX

A2X: EXXJ

# A diversified minerals and energy solutions business

Coal
Manganese\*
Iron Ore
Zinc\*\*
Renewable energy

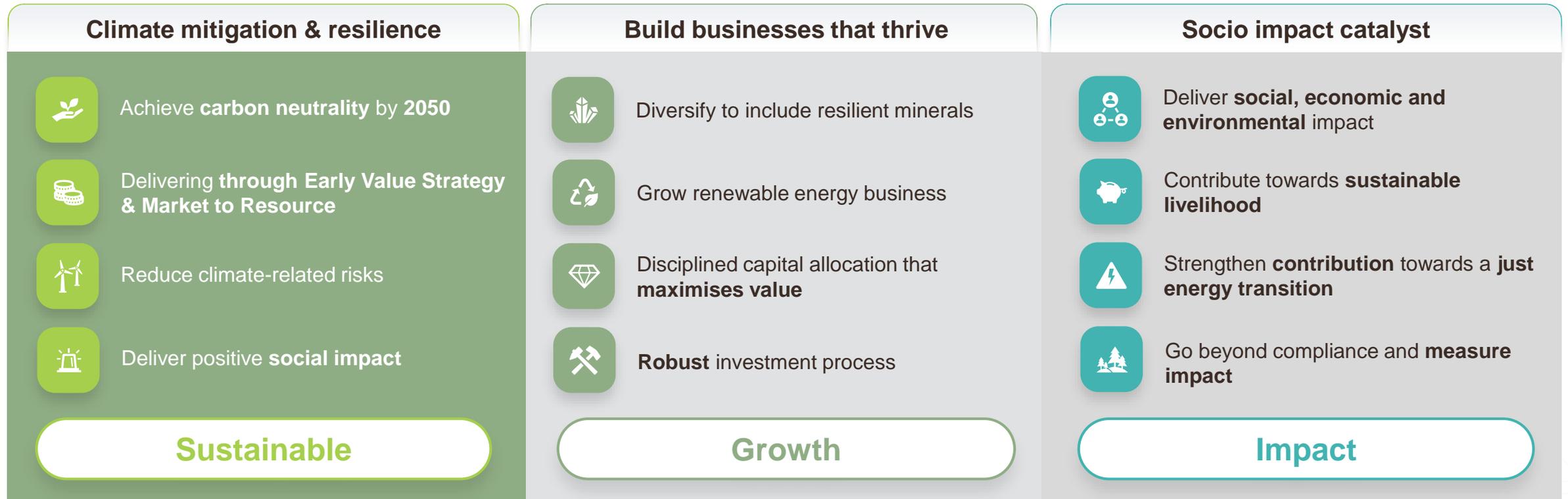
- 1 Coal Grootegeluk complex
- 2 Coal Mafube JV (50%)
- 3 Coal Leeuwan
- 4 Coal Belfast
- 5 Coal Matla
- 6 Coal Moranbah South, Australia (Project)
- 7 Coal Richards Bay Coal Terminal (RBCT) (12%)
- 8 Manganese\* Tshipi Borwa
- 9 Manganese\* Mokala
- 10 Iron Ore Sishen Iron Ore Company (20.6%)
- 11 Iron Ore Black Mountain Mining (26%)
- 12 Renewable energy Lephalale Solar Project (LSP)
- 13 Renewable energy Amakhala Emoyeni
- 14 Renewable energy Tsitsikamma Community Windfarm
- 15 Renewable energy Karreebosch Wind Farm Project



\*Manganese target asset as announced on 13 May 2025 (transaction expected to close in first quarter 2026)

\*\*Black Mountain Mining (26%): operates two underground and one open-pit mine in the Northern Cape, producing zinc and other minerals

# Our Sustainable Growth and Impact Strategy



## Strategic Objectives

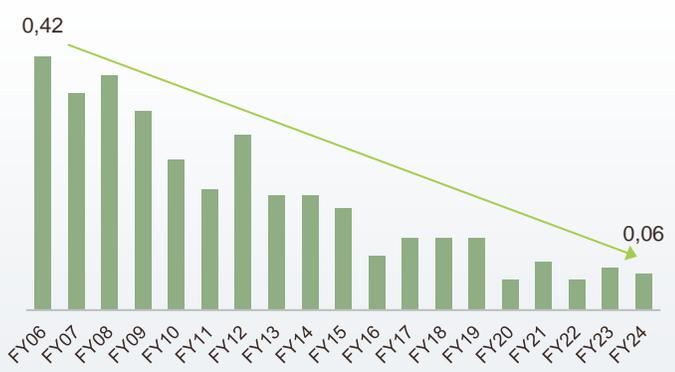


# Proactive safety strategy delivering results



**32\***  
consecutive fatality free months

## Group LTIFR\*\* improvement



## Fatality free years by mine

	<b>Leeuwpan</b>	<b>Zero since inception (34 years)</b>
	<b>Mafube</b>	<b>Zero since inception (20 years)</b>
	<b>Grootegeluk</b>	<b>12 years</b>
	<b>Cennergi</b>	<b>Zero since inception (8 years)</b>
	<b>Matla</b>	<b>8 years</b>
	<b>Belfast</b>	<b>2 years</b>

## Our refreshed safety strategy



Note: Safety statistics as of 31 December 2024 unless otherwise stated

\*Up to April 2025

\*\* Lost time injury frequency rate

# Recognised for our ESG efforts in financial year 2024



## Achieved a 4/5 ESG score

maintaining strong performance for six years and staying in the top quartile within the basic resources super sector



## Ranked C-

reflecting high transparency and our commitment to good corporate governance



## Included for the fourth consecutive year

underscoring our commitment to equality and inclusion



## Achieved a 37.2 ESG risk rating

with strong management, demonstrating the strength of our ESG programmes and policies



## Achieved an A rating

maintaining a strong position among peers and continuing to lead in ESG performance



## Achieved a 50/100 ESG score

with above-average performance in ESG and economic categories. A high data availability rating underscores our commitment to transparency



## Achieved a 4/4 rating

for the past three years, demonstrating commitment to managing GHG emissions and positioning the company to capitalise on low-carbon transition opportunities



# Rehabilitation and Mine Closure



# Governance and oversight | going beyond compliance to create sustainable post-mining host communities

## Accountability and responsibility



Our RBRC\* and SERC\*\* oversee environmental management at board level, with implementation led by the Chief Sustainable Impact Officer

## Regulatory compliance



Managing compliance with all relevant legislation

Financial provisions for rehabilitation costs and effective mine closure are calculated in terms of Government Notice R1147 (GNR1147) regulations as well as MPRDA regulations

## Beyond compliance

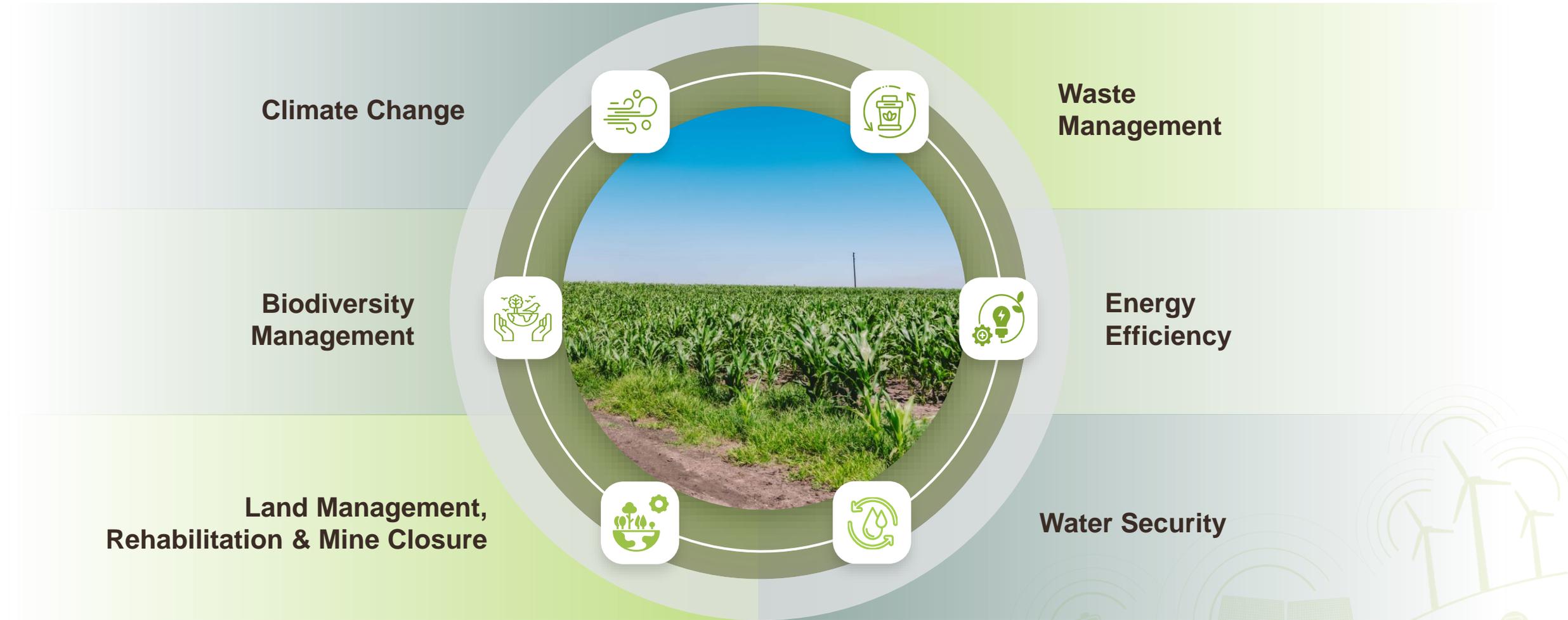


Applying best practice and innovative environmental solutions

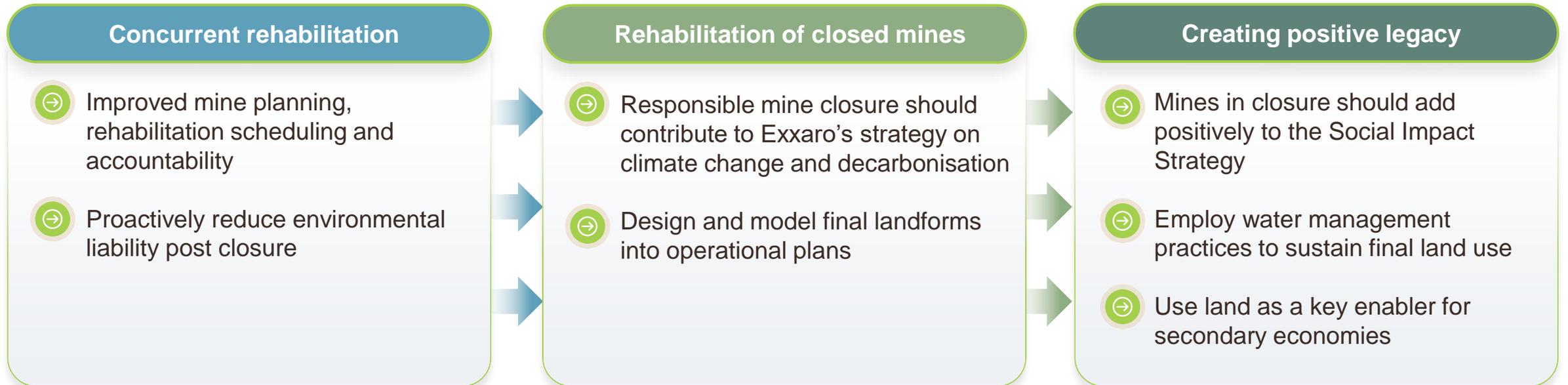
Collaborating to create sustainable post-mining host communities

\*Risk and Business Resilience Committee of the board  
\*\*Social, Ethics, and Responsibility Committee of the board

# An integrated approach | balancing environmental stewardship, social wellbeing and financial sustainability



# Rehabilitation strategy | starting with the end in mind, creating positive legacy



## Strategic Objectives

**Executing and continuously improving rehabilitation practices to ensure legal compliance**

**Providing adequately for rehabilitation now and the future**

**Operational risk based and financial provisions**

# Rehabilitation strategy | balancing water demand and water conservation priorities



*Exxaro Durnacol reverse osmosis treatment plant*



*Vryheid Coronation pilot passive treatment plant*



Integrating water demand and conservation into our closure and rehabilitation strategy



Installing treatment plants to prevent contamination of local streams and rivers



Water is treated, recycled and used for:



Coal processing,  
minimising reliance on  
natural sources



Releasing into local  
streams to support  
surrounding ecosystems  
and biodiversity



Supplying nearby farmers  
for irrigation purposes

# Rehabilitation in action | a clear closure plan for successful delivery

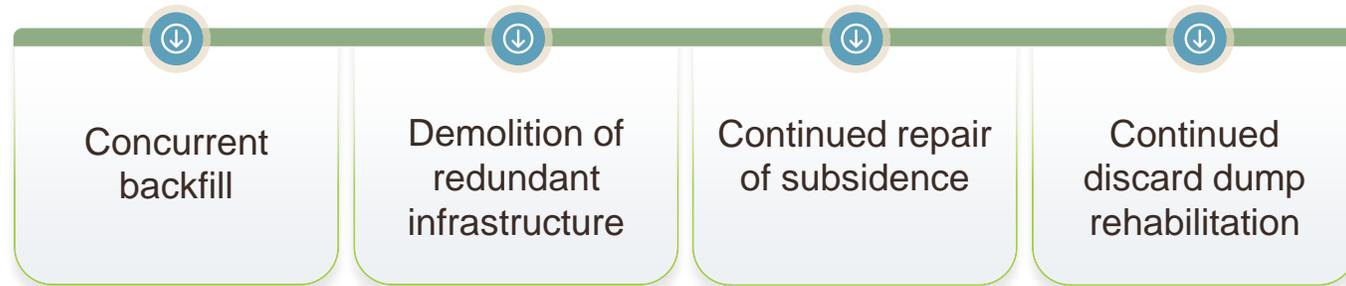
## Mines in Closure

Rehabilitating after cessation in line with an approved closure plan



## Concurrent Rehabilitation

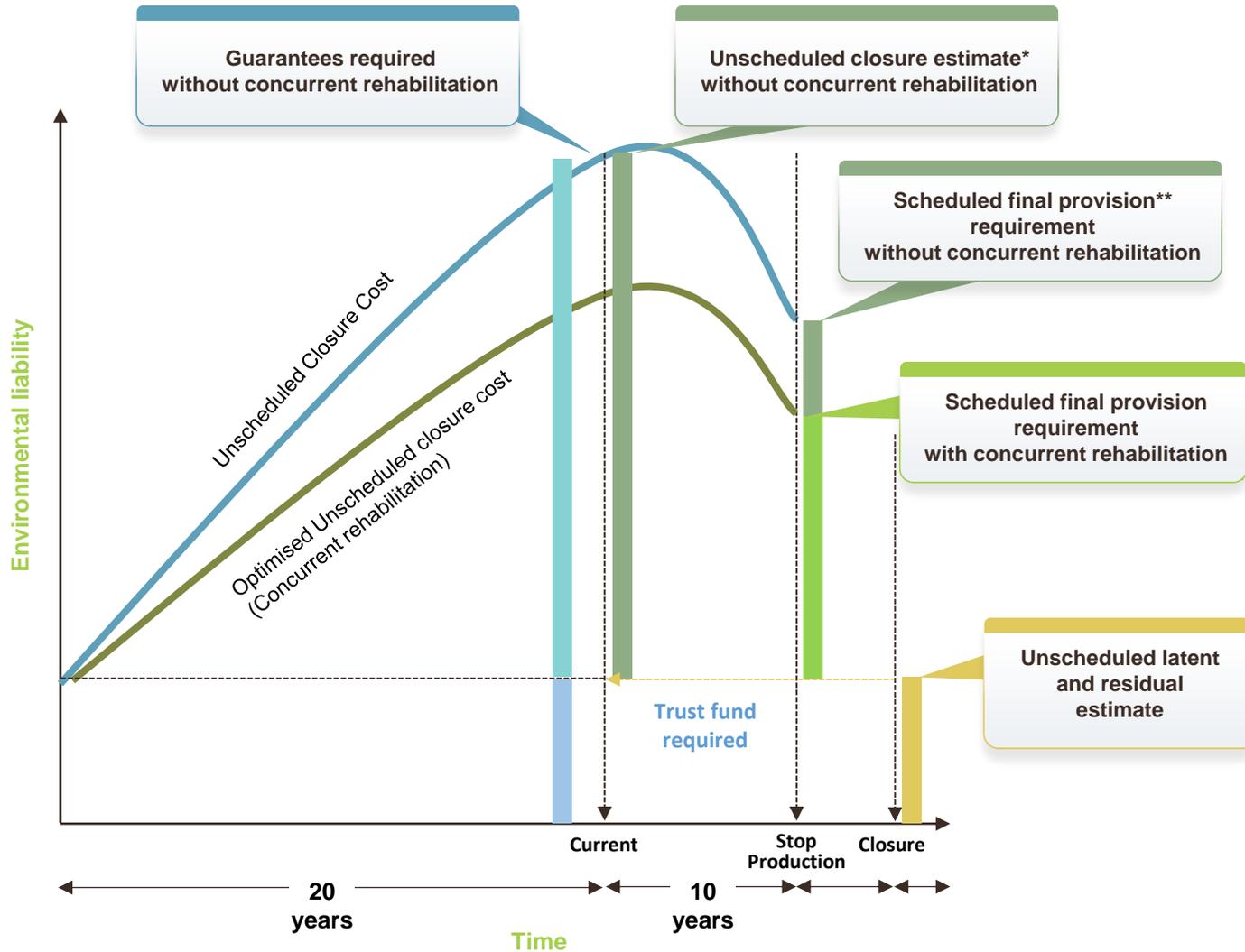
Rehabilitation activities executed while mining in line with an approved EMPr\*\*



\*Social and labour plan

\*\*Environmental management programme

# Rehabilitation in action | Exxaro's case for concurrent rehabilitation



## Optimising concurrent rehabilitation

- Efficient waste handling
- Mine planning, rehabilitation scheduling and accountability
- Final landform designs
- Rehabilitation key performance indicators
- Aligned annual rehabilitation plan with operational budgets
- Rehabilitation standards (i.e. backfill sequence, compaction of waste)

Chart content provided for illustrative purposes only

\*Unscheduled closure cost: total nominal cost of all rehabilitation activities included in both the closure phase and post-closure phase of the rehabilitation process at a specific time

\*\*Scheduled closure cost: total nominal cost of all rehabilitation activities at the end of Life of Mine included in both the closure phase and post-closure phase of the rehabilitation process

# Financial provision | providing for scheduled closure cost

## Regulation and its requirements

Whilst Exxaro goes beyond compliance, rehabilitation of land disturbed is mandated by law

Mining operations are governed by financial provisioning regulations published by the DFFE\*

Mining operations are required to guarantee the availability of funds for the following, as per Government Notice:

1. Annual rehabilitation plan (concurrent);
2. Final rehabilitation, decommissioning and mine closure plan; and
3. Environmental risk assessment report (residual and latent impacts)

1

**Annual rehabilitation plan**

+

2

**Final rehabilitation and closure plan**

=

**Total cost of rehabilitation**

+

3

**Latent and residual cost**

\*Department of Forestry, Fisheries and the Environment

# Our performance | delivering through effective strategy execution while reducing liability

	2022	2023	2024
Land disturbed (ha)*	9 624	11 028	10 794
Land rehabilitated** (ha)	2 000	2 132	2 609
Scheduled closure cost	4 374	4 518	6 132
Unscheduled closure costs (Rm)	8 427	9 327	8 559
Financial provisions (Rm)	5 959	6 082	6 327

\*Land disturbed: total footprint of the mine including infrastructure

\*\*Land rehabilitated: total area finally rehabilitated including revegetation, with only maintenance and monitoring required



Belfast mine

# Financial provisions for environmental rehabilitation

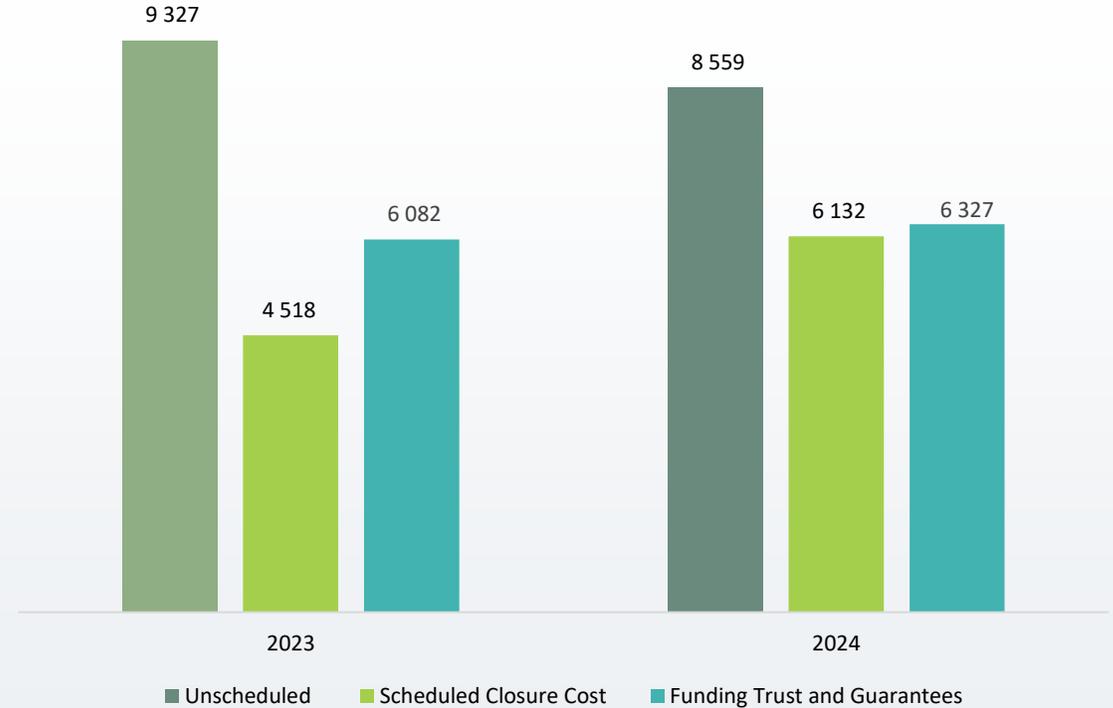
Rehabilitation costs fluctuate based on strategic and tactical decisions made by the organisation:

- ➔ Changes in PPI and discount rate
- ➔ Changes in life of mine
- ➔ Unscheduled closure cost

Changes to rehabilitation liabilities are currently calculated half-yearly and have balance sheet implications.

## Provisions for environmental rehabilitation (Rm)

Historical scheduled and non-scheduled closure cost vs funding



# Our performance | powering possibility and leaving a positive legacy

Before



Crack sealing at Hlobane



Adit closure at Hlobane



Wetland rehabilitation at Belfast

After



1

**Opportunity for alternative economies beyond mining**

2

**Communities benefiting from land and social projects**

3

**Sustainable Agripreneurs**

4

**Restored ecosystems and biodiversity**

5

**Clean water for communities to thrive off**

6

**Sustainable land use**

The Exxaro logo is displayed in a white, sans-serif font. The 'x's are stylized with a dot above each one. The background of the slide is a photograph of an industrial facility at dusk, featuring tall silos and a long, illuminated conveyor belt structure against a dark blue sky.

exxaro

POWERING POSSIBILITY

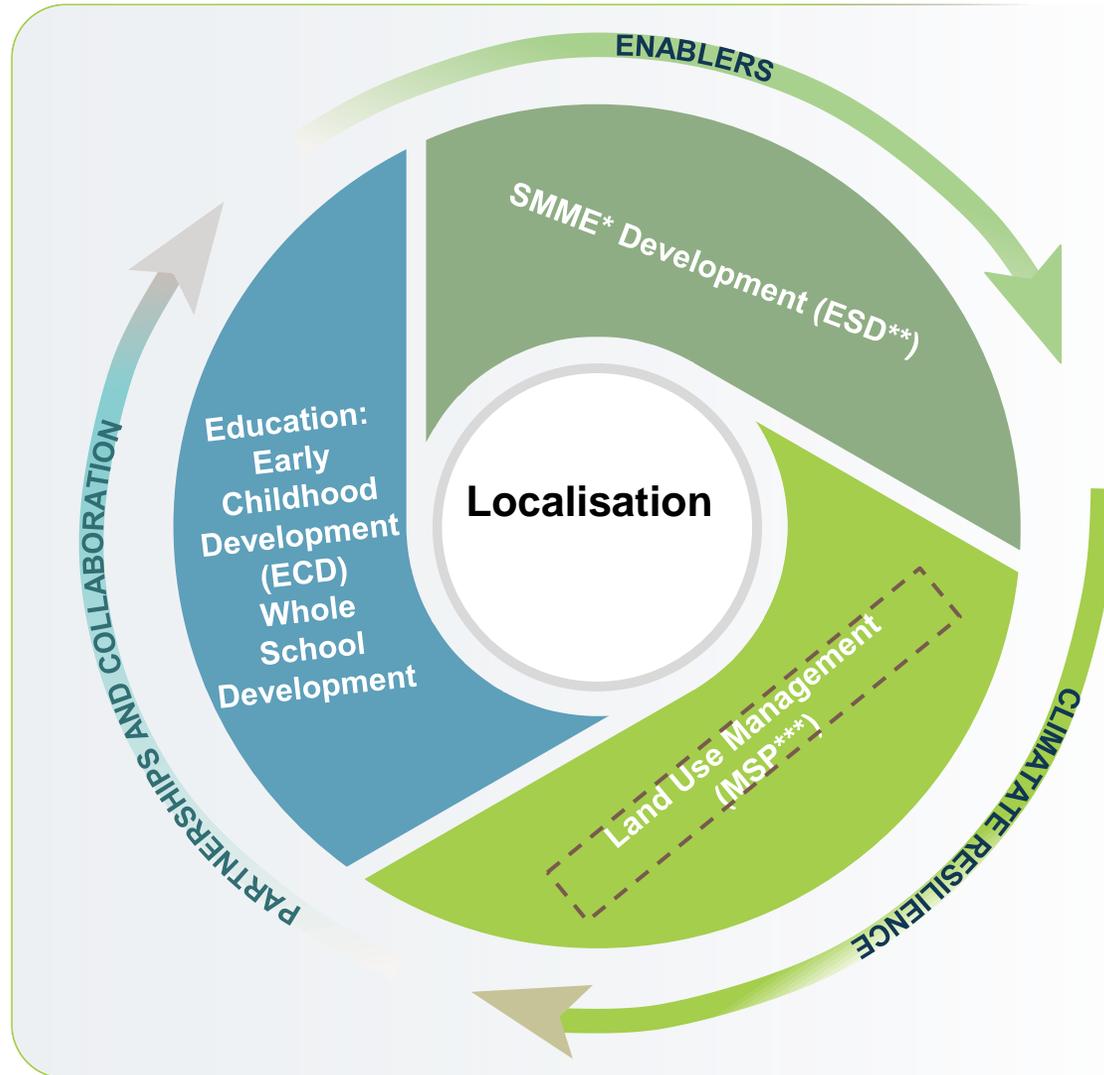
The text 'Thank you' is written in a bold, black, sans-serif font. It is positioned on a white, curved graphic element that overlaps the bottom left of the slide. The background of this white area features faint, light green icons of wind turbines, a battery, and a network diagram with nodes and connecting lines.

**Thank you**



# Additional Slides

# Rehabilitation links directly to our social impact strategy



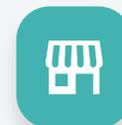
Total land managed by emerging farmers



Improvement in local employment



Agri-land development



Improvement in local SMME sustainability

\*Small medium and micro enterprises  
\*\* Enterprise supplier development  
\*\*\*Mineral succession programme

# Our performance | creating post-mining economies through our mineral succession programme

## MSP\* making meaningful impact in 2024

**662**

farmers supported

**10 608.5ha**

land under management

**R63.3m**

funding provided to farmers

**R15.0m\*\***

additional funding leveraged

**54%**

were female farmers

**23%**

were youth farmers

## MBB\*\*\* Agriculture (case study)

- A 100% black-owned enterprise supported by MSP. Farming on 718ha of land leased from Exxaro
- 275ha planted with maize
- 173 cattle
- Additional R15m raised from a development finance institution

\*Mineral succession programme

\*\*R15 million drawn down from a R100 million facility leveraged from a development finance institution

\*\*\* 100% black owned farming business based in Mpumalanga province



Matla mine

# Social and labour plan | delivering on our commitment



Thabametsi Paarl sewer



Tshikondeni village water supply – provides portable water to four villages in the Vhembe District



Nelsonskop Primary School classroom block and school hall – benefitting 1 580 learners



Belfast roads improves access to the hospital, schools and shops

## Matla – R21.24M

- Sheep shearing & hydroponics
- Rehabilitation of roads
- Thubelihle substation

## Grootegeluk – R33.11M

- ESD\* programme
- ECD\*\* centre
- Marapong sports precinct

## Leeuwpan – R3.79M

- ESD\* programme
- Water borehole

## Belfast – R5.2M

- Rehabilitation of Belfast roads (Phase 2)

## Thabametsi – R16.88M

- Paarl sewer

## Tshikondeni – R24.11M

- Water reticulation

**TOTAL R104.33M**

\*Enterprise supplier development

\*\*Early childhood development

# Driving meaningful social impact and advancing community development

## ESD and Education\*

**R2.1bn**

social  
investments

**562**

SMMEs\*\* supported

**2 700+**

children  
supported

**40+**

early childhood  
development  
centres funded

**180+**

teachers  
financed

**27**

schools connected  
with wi-fi

**20**

schools provided with  
information and  
communications  
technology labs

**1 580**

children and teachers  
benefitted from  
Nelsonskop Primary  
School project

\*For the year ended 31 December 2024

\*\*January 2025

# Manketti Game Reserve | a biodiversity conservation story worth telling

**22 000ha**

Biodiversity land under protection

**>50 000**

Flora and Fauna species

**95**

Endangered fauna species protected

**48**

Endangered flora species protected

## Manketti Game Reserve key objectives

- ④ Build comprehensive biological inventories
- ④ Manage representative ungulate populations
- ④ Monitor key species and ecosystems
- ④ Minimise surrounding mining impacts
- ④ Collaborate with communities and neighbours
- ④ Translate biodiversity value into corporate capital

## Showcasing conservation in action



We are partnering on a 3-year census of free-roaming cheetahs to support long-term conservation through better understanding of their behaviour, habitat use, and co-existence

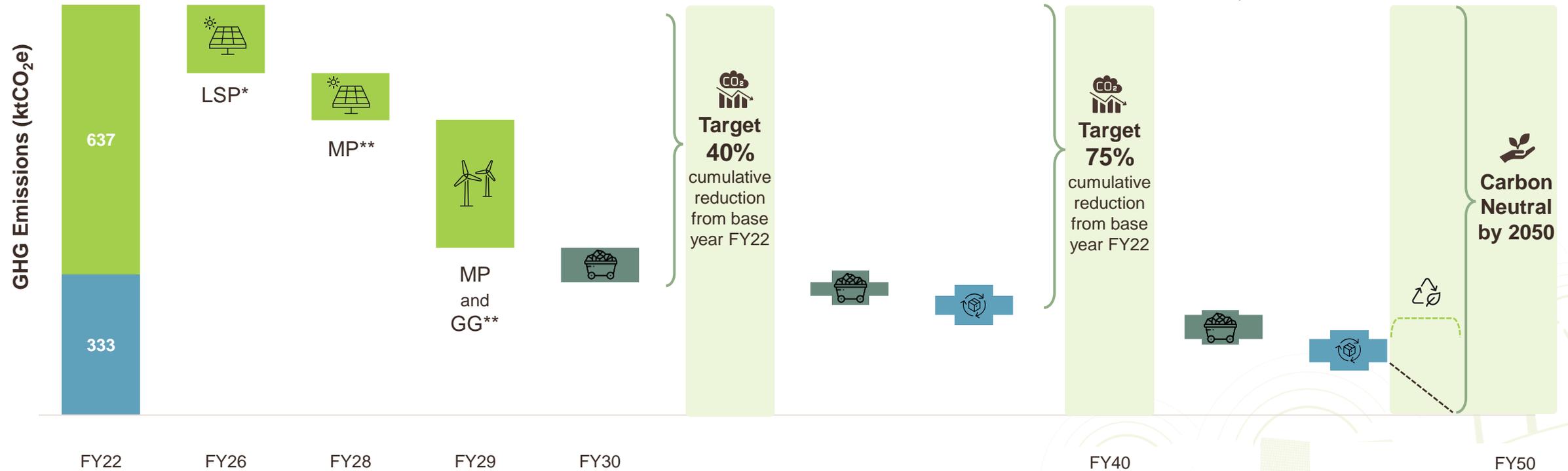


We are leading the reintroduction of black and white rhinos to Zinave National Park, Mozambique, in partnership with the South African and Mozambican governments

# Environment | decarbonising today to secure a sustainable tomorrow

## Reduction of carbon Emissions

■ Scope 1 ■ Scope 2



### Scope 1

- Equipment and fleet optimisation
- Portfolio depletion
- Carbon offsets#

### Scope 2

- \*Wheeled Solar
- Wheeled Wind
- Portfolio depletion

### Scope 3

- Strategic partnerships enabling decarbonisation and impact
- Exxaro- Eskom MoU
  - Exxaro- Council of Geoscience
  - Exxaro- Agricultural Research Council & Ekim Wildlife
- Carbon offsets#

\*Lephalale Solar Project (behind the meter at Grootegeluk) \*\*MP: Mpumalanga (Leeuwan, Belfast, Mafube, and Matla); GG: Grootegeluk  
#Carbon offsets (nature-based and renewable) will be implemented to reach carbon neutrality by 2050. No carbon offsets projects included in this slide