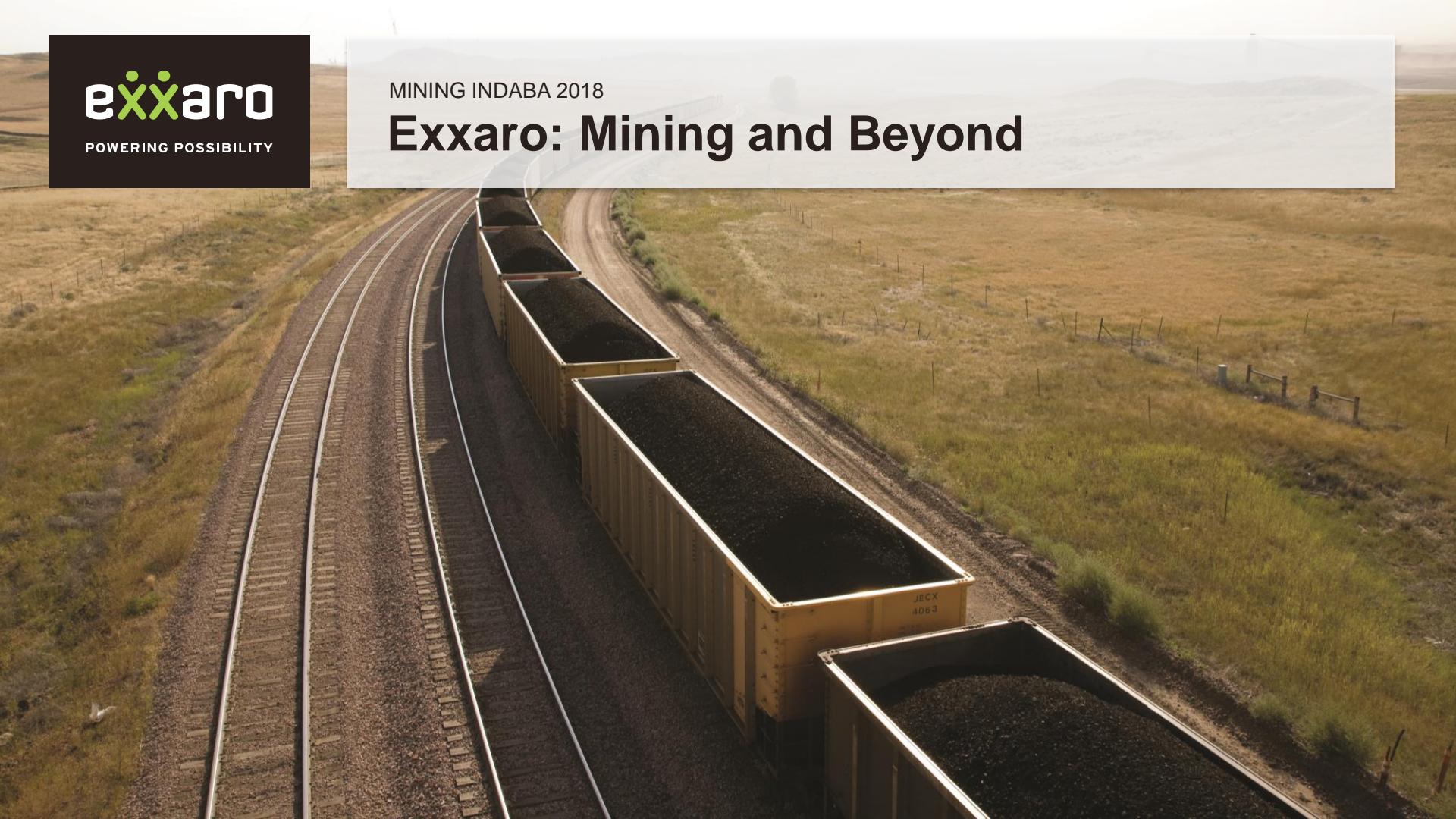




MINING INDABA 2018

# Exxaro: Mining and Beyond





# Presenting Challenges

# and Opportunities

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Socio political realities  
Pace of progress & change  
Need for new skills  
Increased uncertainty  
Unexpected threats and competitors  
Greater expectations of time to value  
New leadership mindsets

Exciting new career paths  
Step change improvements  
Improved internal transparency  
Potential for partnerships  
New business models  
Shatter paradigms  
Leverage hidden internal talent

How are we ensuring we capture these opportunities  
and don't become one of the disrupted?

# We are looking at our business through new lenses in order to...

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## Enhance the **SPACES** we work in

- Lakeside development
- Belfast mine

## Embed **TECHNOLOGY** and **INNOVATION**

- Digitisation program
- Innovation Programme Office (IPO)

## Ensure **EXCELLENCE** in everything we do

- Business Excellence Capability

## Empower **PEOPLE** for the future

- Re-imagined culture
- Re-imagined communities

# Enhancing the **spaces** we work in

**BELFAST: DEVELOPED WITH TECHNOLOGY, FOR TECHNOLOGY**

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**BIM** in project execution

**3D** Detail Design, Coordination, Interfacing, VR, Fabrication

**4D** Schedule Association, Constructability, 4D and UAV mapped model comparisons

**5D** linking drawings (3D) with schedule (4D)

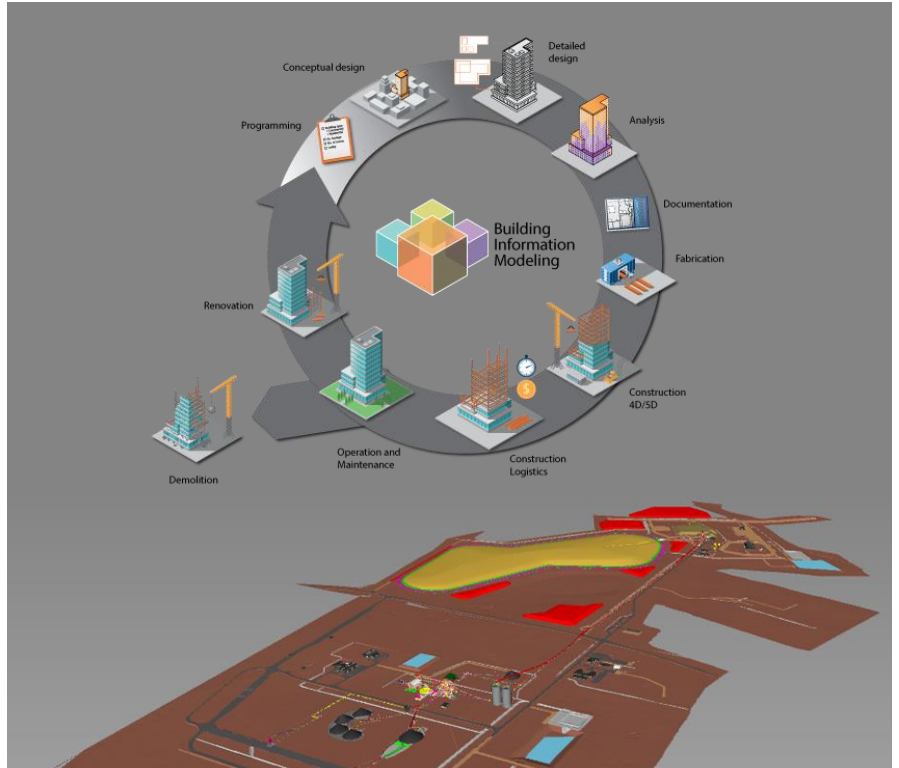
**6D/7D** Facilities Management, Sustainability, Operations and Maintenance Information Management

**Augmented** Training, Operational Readiness, Enterprise Integration

**Digital Twin** asset development and modelling

**Information management blueprint**

Links business strategy to performance measures



# Enhancing the **spaces** we work in

## LAKESIDE DEVELOPMENT

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Drive new **ways of working**

Reinforce and reflect our **culture and brand**

Purposeful **design & technology** enabled

Promotes **sustainability & wellbeing**

Enhanced **employee and visitor experience**

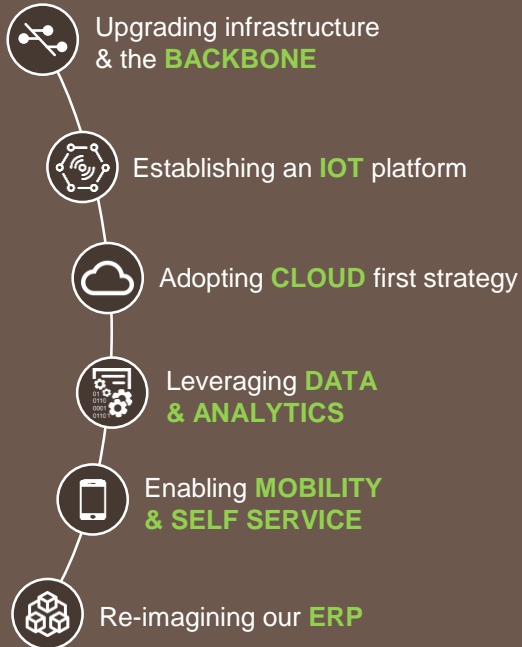
Workplace as an **asset & future proofed**



# Embed Technology & Innovation

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## WE ARE BOLSTERING OUR TECHNOLOGY FOUNDATION



## TO CREATE VALUE THROUGH OUR INNOVATION & DIGITALISATION PROGRAMME

- Increase **PRODUCTION**, **THROUGHPUT** and **UPTIME**
- Reduce **COST**
- Improve **QUALITY**
- Improve **SAFETY & ENVIRONMENTAL** performance
- Increase **PEOPLE** performance
- Improve **VENDOR & CONTRACTOR** management
- Enable **VISIBILITY** across operational & functional areas

## SUPPORTED BY AN AGILE PROGRAMME OFFICE ESTABLISHED TO:

- **INSPIRE & IDEATE** solutions for operations and functions
- **IDENTIFY** quick wins
- **PRIORITISE** initiatives
- **IMPLEMENT** initiatives with an **AGILE** approach
- **TRACK** progress and value

# Ensure Excellence in everything we do

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## EXCELLENCE IS A JOURNEY, IT IS THE CATALYST TO THE EXXARO OF THE FUTURE

Making us all **owners and contributors** to the business, driving **accountability** aligned to our **common purpose**

**Challenge** thinking and **shift mindsets**

## RELENTLESS FOCUS ON EFFICIENCY, EFFECTIVENESS AND EXPERIENCE

Ensuring we are doing the **right things, doing them right**, for all our stakeholders

Embed **proven philosophies and techniques** including:

- Lean
- Design thinking
- Agile

## ALIGNING OPERATIONS AND FUNCTIONS TOWARDS REALISING OUR STRATEGY

Creating **visibility on progress** and **realisation of value**

**Collaborating** inside and outside Exxaro, leveraging diversity to build a healthy sustainable ecosystem



# Empower our **People** for the future

## REINFORCING FIVE KEY CULTURE TRAITS

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### OWNERSHIP

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- Results-orientated
- Innovative & experimental
- Excellence
- Efficient & effective
- Quality driven
- Intraprenuerial

### OPEN & CONNECTED

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- Creative
- Collaborative
- Connected to the ecosystem
- Social
- Fun

### ADAPTABLE

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- Learning
- Human-centric
- Agile
- Flexible

### DIVERSE

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- Multi-cultural
- Multi-skilled
- Multi-speed
- Multi-faceted

### RESPONSIBLE

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- Accountable
- Trusting
- Stewardship
- Safe
- Inclusive
- Ethical

# We will continue to leverage our assets to maximise value from Coal & realise adjacency opportunities

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## ENERGY



## WATER



## FOOD



We believe that the combination of these prospective opportunities will provide increasing opportunity for **Exxaro to power better lives in Africa and beyond.**

**Thank You**