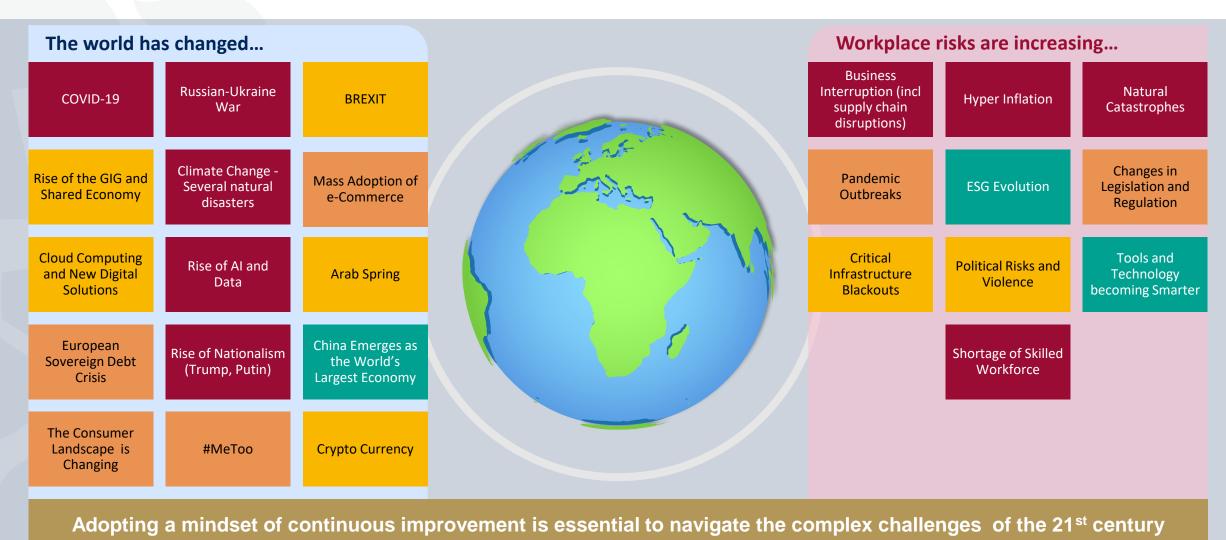


Why is continuous improvement important?



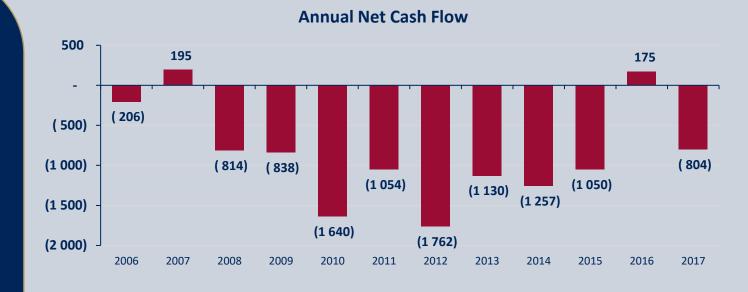




Gold Fields South Deep Mine

(Worlds 3rd largest gold resource)

fails to deliver for 12 years...





Historic Context



Context



South Deep is a critical mine in Gold Field's portfolio with strategic and commercial imperative to find the most optimal path to value

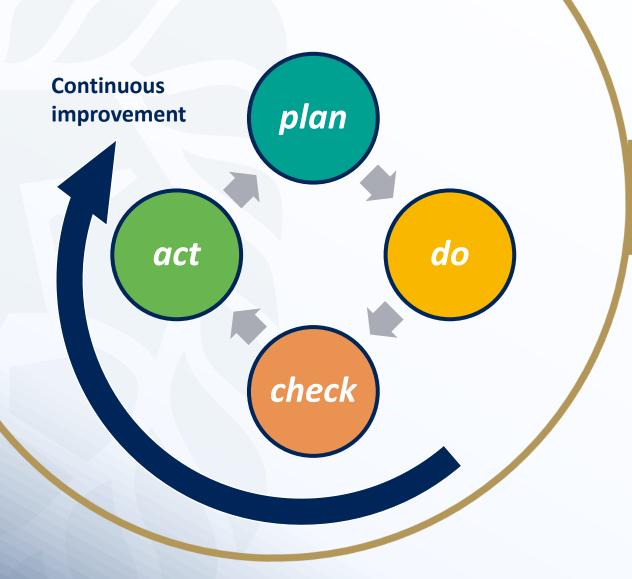
LOM in excess of 70 years, if operated as highly effective, capital intensive, high volume mine at depth

South Deep has the potential to unlock sustainable long- term value for Gold Fields

Challenges

- South Deep touted as highly mechanized and efficient but delivered low productivities at high cost
- Low capability levels in key technical and supervisory roles
- Overall labour productivity was below median performance
- High workforce numbers
- Low levels of operating discipline due to poor management practices (range from geo-tech, blasting techniques, sequencing, maintenance etc.)
- Unclear, complex and unproductive work systems
- Management routines not streamlined and plethora of meetings planned and unplanned
- Contracting out of key activities to avoid risk compounded with poor contract management practices
- Increasingly complex socio-political landscape

"You never change things by fighting the existing reality, build a new model that makes the existing model obsolete."





Not a New Concept...

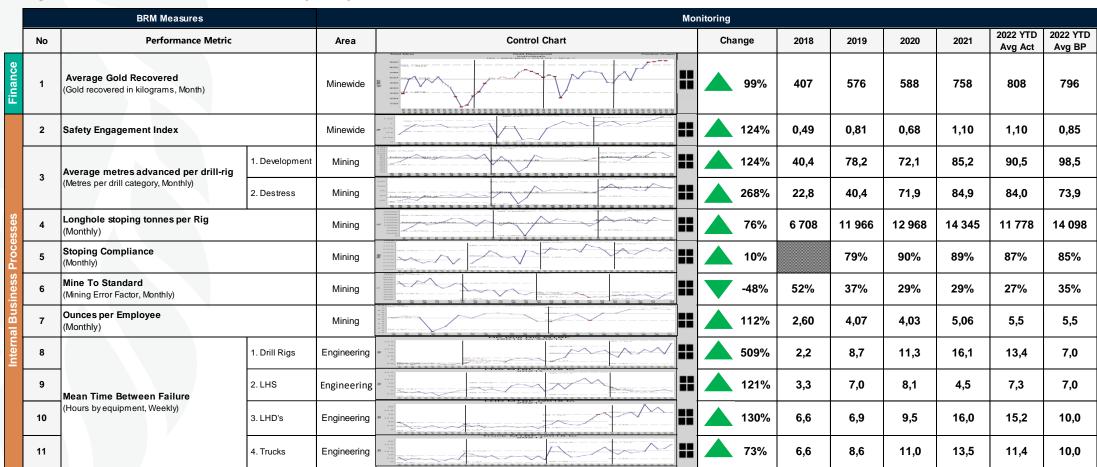
It's not finding a method that works and sticking with it. It's looking at where you are today, setting a goal and doing what needs to be done to reach that goal.

Once that goal is met, you start again, finding ways to improve further. It doesn't matter what kind of industry or business you're in — a continuous improvement approach is necessary to keep ahead of the game.

South Deep Frontline Leadership Programme Results



Daily Benefits Realisation Measures (BRM)



From the outset, we had to distil the key issues that would drive the turnaround in both quantity and quality



MEASURED THROUGH

- Average meters advanced per drill-rig
- · Percussion hours
- · Grade compliance
- Mean time between failure
- · Cars turnaround time
- · Back-fill volumetric compliance
- Gold produced

SUSTAIN THE IMPROVEMENT

Embedding the new way of doing things

Reinforce a standard operating philosophy and embed the programme into the way of doing things

IMPROVE THE WORK

A continuous improvement culture

Drive incremental improvement through structured engagement and problem-solving



Doing things the right way - the first time

Planning and executing the work to the right standard, at the right time with the right outcomes



Enabled and capable people

Identify competency gaps and impart management and leadership skills through training





Align our people to the strategy, the desired way of doing things and the behaviour required to make South Deep successful









Shaping the Culture

Develop a capable, accountable and engaged workforce as a key enabler for the creation of sustainable improvement



Strategic Intent Clarity:

- Defined and communicated a clear Purpose and Strategic intent
- Maintained consistent messaging for focus and alignment



Sustainability Focus:

- Cultivated synergies across improvement themes
- Value-driven business plan
- Waste elimination



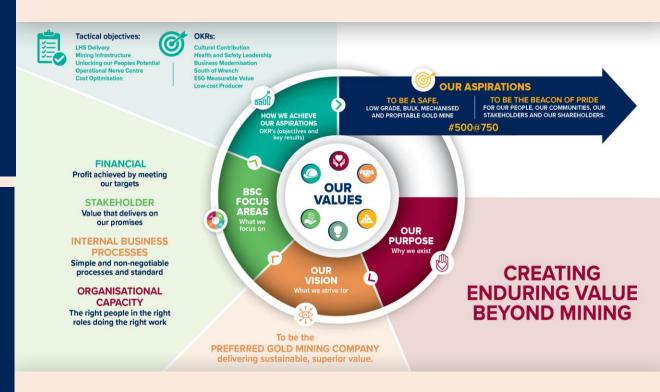
Culture & Change Management:

- Siyaphambili program for balanced accountability
- Foster a resilient culture through symbols, rituals, and habits
- Culture creation workshops



Humanising Leadership:

- Restored dignity and respect in leadership
- Targeted hiring to strengthen leadership
- · Exit leaders misaligned with our goals
- Clear Expectations & Accountability





Effectiveness

Assessment:

How well I use

the management

& leadership tools (Anchors)



Building Capability

Empowering Excellence: Frontline Capability and Development as Catalysts for Continuous Improvement

Role Assessments: How well I execute my role

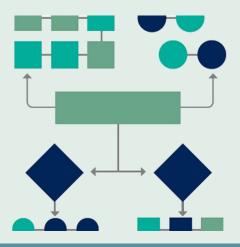
Competency assessment:

Are there GAPs in required competencies

Perceived Leadership Capability: Perceived impact on those around

INTERGRATED MEASUREMENT

Frontline managers and leaders assessed on four dimensions, which determines the development requirements



PROCESS CRITIQUES AND DAY PLANNERS **FORMULATION**

- Teams critique their daily process to highlight key areas of challenge (emerging themes)
- A day planner was formulated, detailing key activities, outputs and requirements of a typical day



DEVELOP

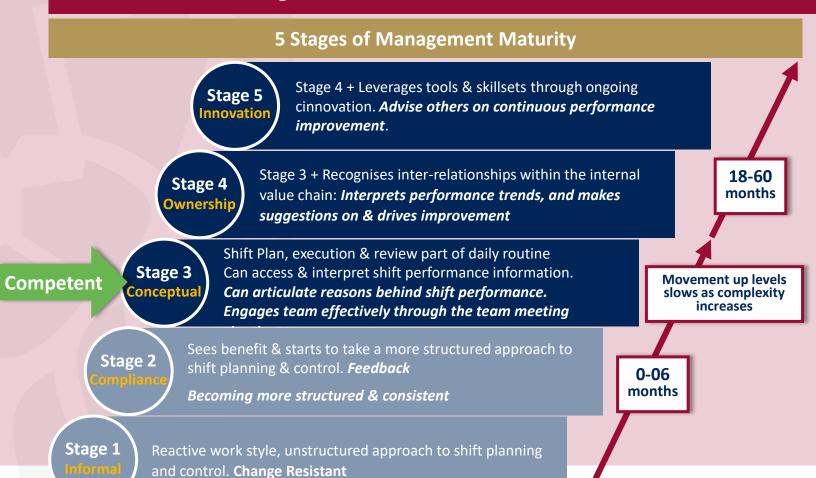
Frontline leaders training teaches how to Manage Self, Manage Others, Manage a Team and Manage the Systems for success

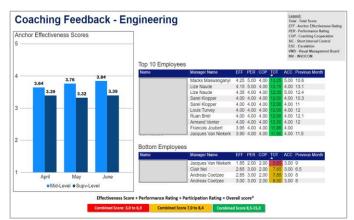


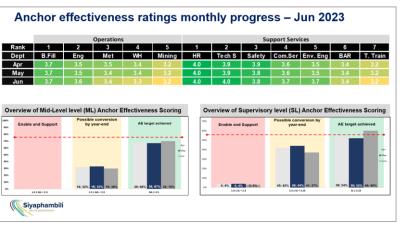


Manage the Work

On-the-Job Coaching and Continuous Assessment for Toolsets, Skillset, and Mindsets against a maturity framework





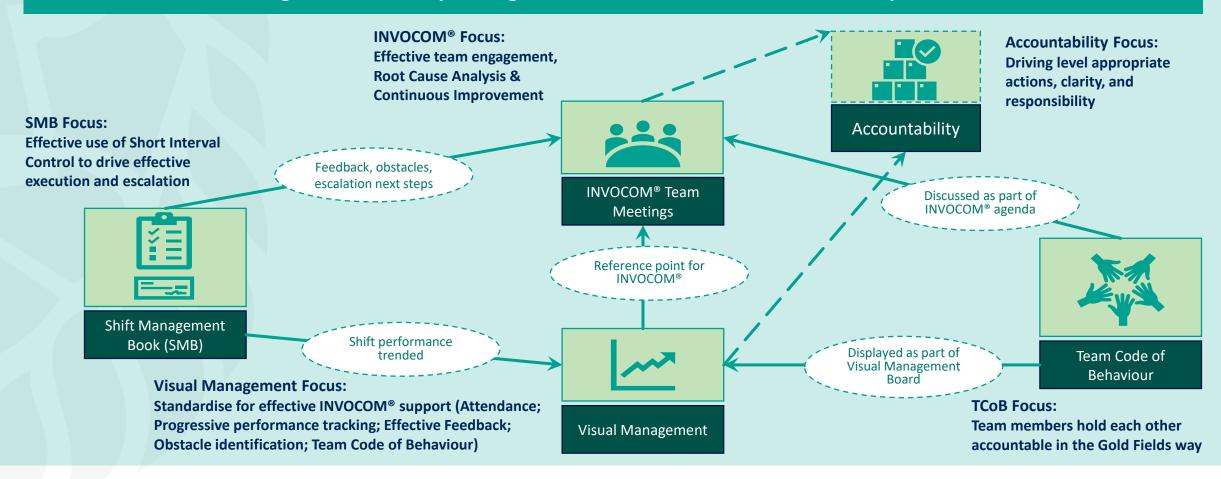






Improve the Work

Anchoring Excellence: Key Management Routines and Consistent Monthly Assessments



INVOCOM® and Visual management





INVOCOM® Focus:

- Effective team engagement
- Root Cause Analysis
- Continuous Improvement





Visual Management

Visual Management Focus:

Standardise for effective INVOCOM® support

- Attendance
- Progressive performance tracking
- Effective Feedback
- Obstacle identification
- Team Code of Behaviour

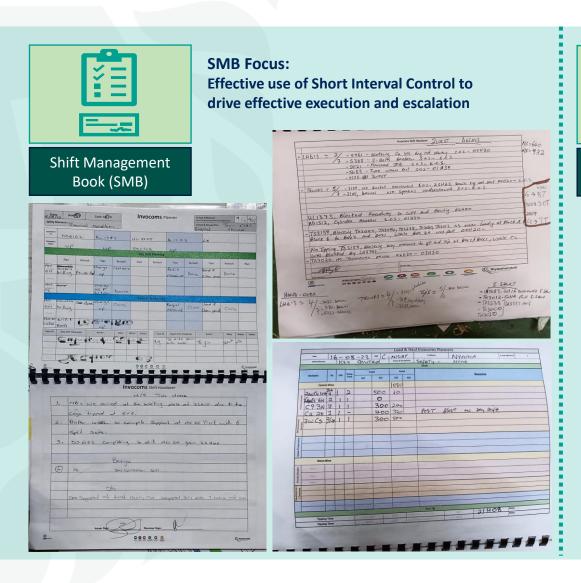






Shift Management Book and Team Code of Behavior



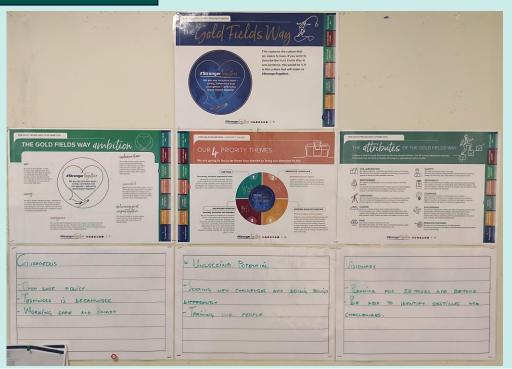




Team Code of Behaviour

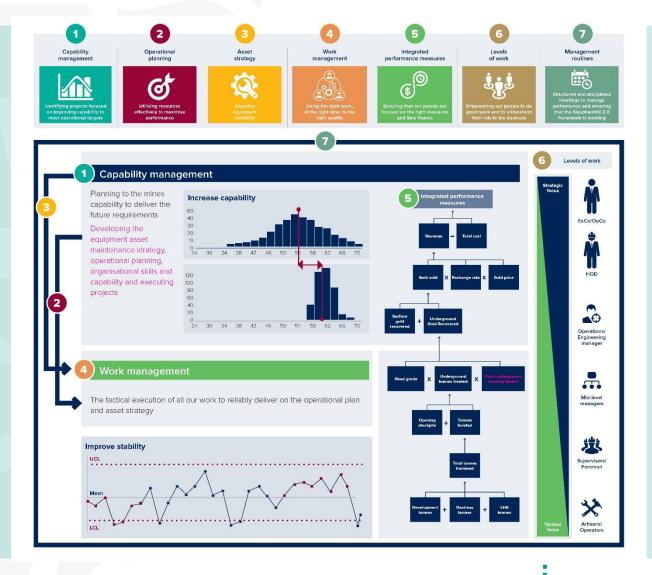
TCoB Focus:

Team members hold each other accountable in the Gold Fields way



Improve the Work





Training Alignment: In collaboration with OIM Safety, Supervisory and Management training follows the same improvement philosophy and approach

Change Leadership: Managers trained as change leaders in Lean Six Sigma methodologies

Practical Application: All training includes execution requirements where individuals are expected to demonstrate knowledge application through improvement projects.

DIAMAC Projects: Running five significant improvement projects following the DIAMAC philosophy, every 6 months.

Statistical Tools: Introduction of control charts and capability histograms for data-driven decision-making

Asset Optimisation: Driving AO under three banners: Incremental, Breakthrough, and Transformational improvements.





Sustain the improvement – Gold Fields AO approach



Metric

Incremental

"Delivering the current BP cycle: BP24"

Productivity Initiatives

- LHS productivity improvement
- Optimise cut 5 design at central mine

Waste reduction initiatives

- IT and OT applications systems rationalisation
- Reduction of chilled water supply in 901WN1
- Stores cost optimisation



Breakthrough

"Unlocks potential from future business plans:>12kt"

Productivity Initiatives

- Increasing FRD1 & 2 treatment Rates
- Inhouse extraction of gold from carbon waste fines
- Improving Stoping Compliance
- Increasing treatment of FRD 3 & 4

Waste reduction initiatives

- Improve hydrocarbon management system
- 2% YoY Contractor Rationalisation
- Low density accommodation
- Sealing of Abandoned areas
- Reduce High Density Accommodation
- 3% YoY waste elimination per dept

Metric	2024	2025	2026
% AIC impact	tbc	tbc	tbc



Transformational

"Questions conventional wisdom"

Mine of the future

- Autonomous Trucking
- Energy Efficiencies
- Improvement of LHS facetime through tele-remote operation

Metric 2024 2025 2026

% AIC impact Value to be defined, scoping underway

% AIC impact tbc

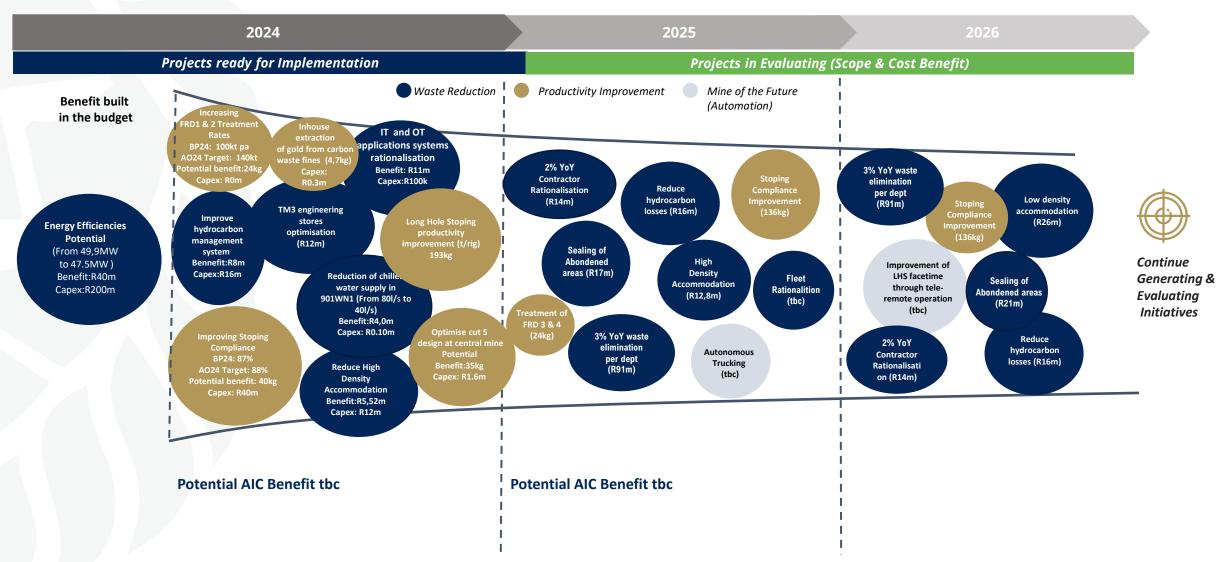
2024

Siyaphambili 2.0 Engineered water handling solution Roadway construction Backfill Ventilation

Network Infrastructure Network Infrastructure Material Handling Logistics People Logistics

Gold Fields: AO approach





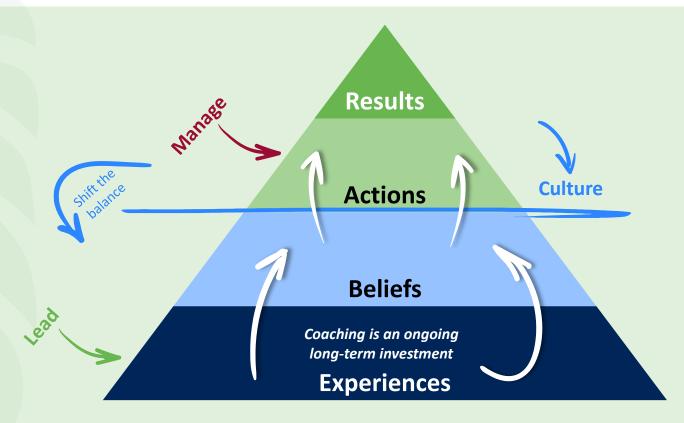
^{***} High Confidence

^{**} Medium Confidence

^{*} Low Confidence

Sustaining improvement





Establish a burning desire to win – clear and ambitious goals

Create discipline and structure

Choose multiple frameworks and train your team

Show patience and perseverance

Involve everyone

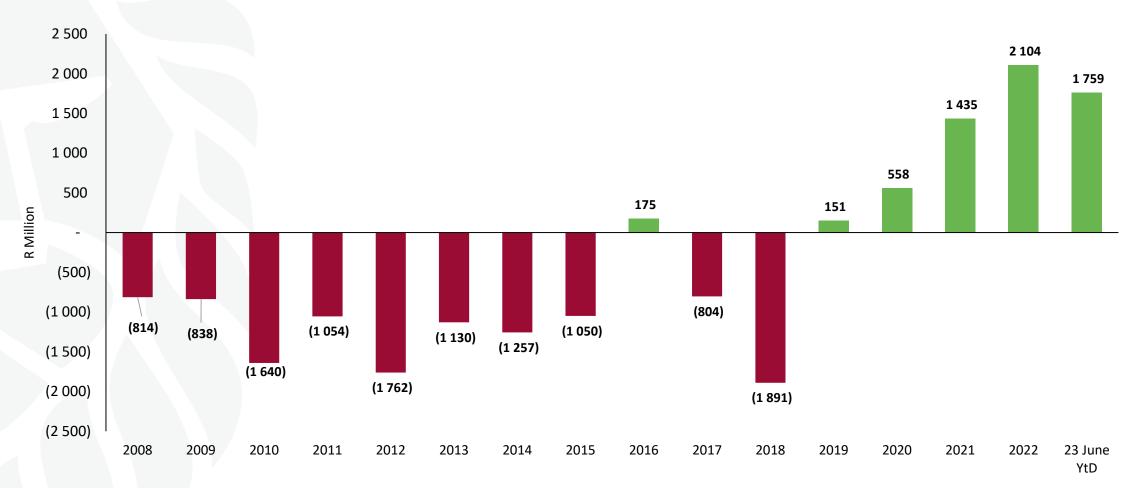
Make those around you successful

Practice marginal gains

Focus on measures and repeatability

Annual net cash flow





It's critical to remember this is not the destination but merely the start of our journey

THANK YOU