

## SASOL LIMITED INVESTOR SITE VISIT | MINING UPATE

Secunda and Mining Operations







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Senior Vice President: Strategy & Sustainability





## DAY 1

Management presentation

Business overview Mining operations

Underground mining tour

Q&A

### DAY 2

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Secunda Operations site tour

### **Forward-looking statements**





These statements may also relate to our future prospects, expectations, developments and business strategies

Sasol may, in this document, make certain statements that are not historical facts and relate to analyses and other information which are based on forecasts of future results and estimates of amounts not yet determinable. These statements may also relate to our future prospects, expectations, developments, and business strategies. Examples of such forward-looking statements include, but are not limited to, the capital cost of our projects and the timing of project milestones; our ability to obtain financing to meet the funding requirements of our capital investment programme, as well as to fund our ongoing business activities and to pay dividends; statements regarding our future results of operations and financial condition, and regarding future economic performance including cost containment, cash conservation programmes and business optimisation initiatives; recent and proposed accounting pronouncements and their impact on our future results of operations and financial condition; our business strategy, performance outlook, plans, objectives or goals; statements regarding future competition, volume growth and changes in market share in the industries and markets for our products; our existing or anticipated investments, acquisitions of new businesses or the disposal of existing businesses, including estimates or projection of internal rates of return and future profitability; our estimated oil, gas and coal reserves; the probable future outcome of litigation, legislative, regulatory and fiscal developments, including statements regarding our ability to comply with future laws and regulations; future fluctuations in refining margins and crude oil, natural gas and petroleum and chemical product prices; the demand, pricing and cyclicality of oil, gas and petrochemical product prices; changes in the fuel and gas pricing mechanisms in South Africa and their effects on prices, our operating results and profitability; statements regarding future fluctuations in exchange and interest rates and changes in credit ratings; total shareholder return; our current or future products and anticipated customer demand for these products; assumptions relating to macroeconomics; climate change impacts and our climate change strategies, our development of sustainability within our businesses, our energy efficiency improvement, carbon and greenhouse gas emission reduction targets, our net zero carbon emissions ambition and future low-carbon initiatives, including relating to green hydrogen and sustainable aviation fuel; our estimated carbon tax liability; cyber security; and statements of assumptions underlying such statements. Words such as "believe", "anticipate", "expect", "intend", "seek", "will", "plan", "could", "may", "endeavour", "target", "forecast" and "project" and similar expressions are intended to identify forward-looking statements but are not the exclusive means of identifying such statements. By their very nature, forward-looking statements involve inherent risks and uncertainties, both general and specific, and there are risks that the predictions, forecasts, projections, and other forward-looking statements will not be achieved. If one or more of these risks materialise, or should underlying assumptions prove incorrect, our actual results may differ materially from those anticipated. You should understand that a number of important factors could cause actual results to differ materially from the plans, objectives, expectations, estimates and intentions expressed in such forward-looking statements. These factors and others are discussed more fully in our most recent annual report on Form 20-F filed on 1 September 2023 and in other filings with the United States Securities and Exchange Commission. The list of factors discussed therein is not exhaustive; when relying on forward-looking statements to make investment decisions, you should carefully consider foregoing factors and other uncertainties and events, and you should not place undue reliance on forward-looking statements. Forward-looking statements apply only as of the date on which they are made, and we do not undertake any obligation to update or revise any of them, whether as a result of new information, future events or otherwise.

Comprehensive additional information is available on our website: www.sasol.com





## Mining operations

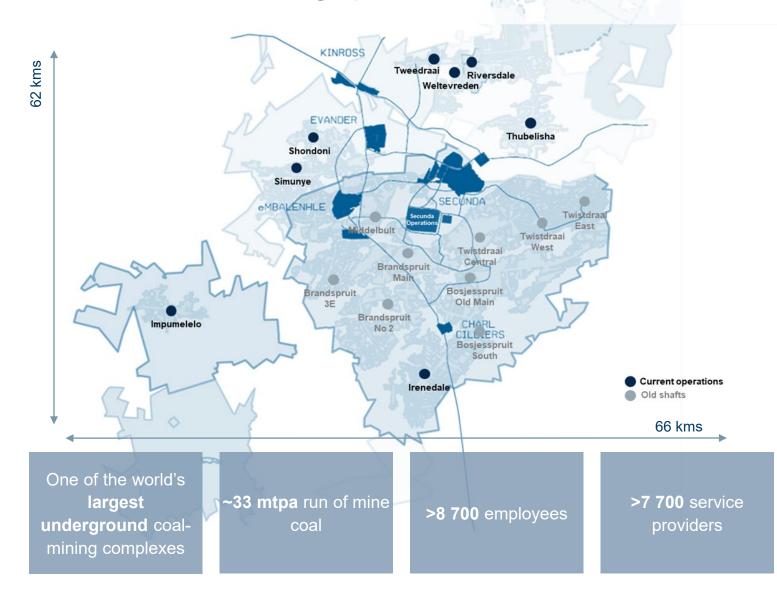
Hermann Wenhold

## What you will hear today

- Progress on implementation of our operational mitigation plans
- Update on quality improvement initiatives
- Reserve replacement strategy

### **Overview of our mining operations**





#### Coal supply:

#### Secunda

- Coal feedstock to Secunda Operations (SO) for gasification and utility generation
- Coal blended at our Secunda Coal Supply facility
- Coal feedstock supplemented by Thungela's Isibonelo colliery

#### Sasolburg

 Coal from Sigma Mooikraal Colliery to Sasolburg operations for utility generation only

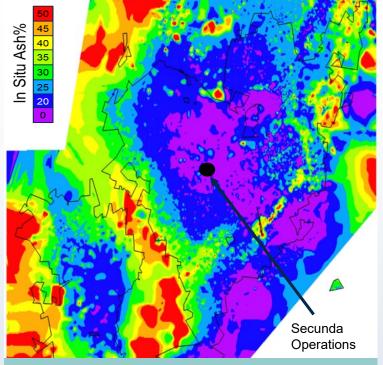
#### **Export**

 Coal from Thubelisha Colliery is beneficiated at Twistdraai Export Plant market with middlings product to SO

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## What has changed in our mining operations

- Mining the Secunda reserve base since 1970 and have progressed into poorer quality, more geologically complex reserve areas
- Reserve areas towards the boundary have higher inherent ash and sinks and greater variability in quality
- Increased geological structures require more stonework (mainly drill and blast operations), resulting in higher cost and lower productivity



Geological modelling shows higher quality coal within the middle of the reserve area, with boundary reserves having greater variability

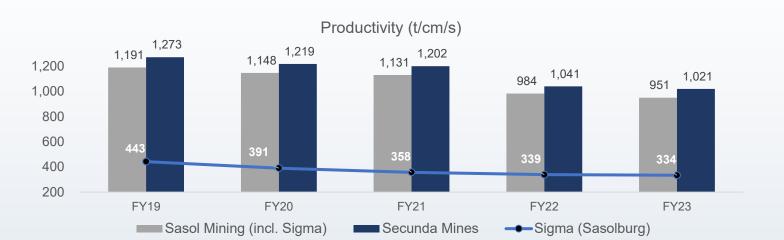


Cutting of stone bands or poor roof contributes to increased contamination



## Sustained productivity improvement at Secunda Collieries is key to our future



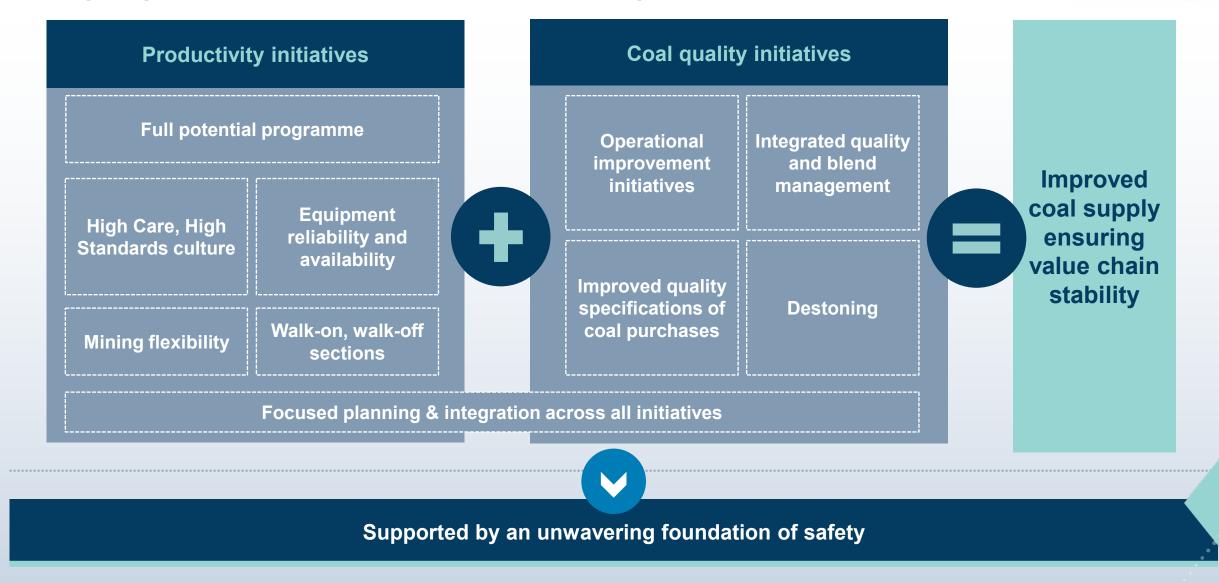


- Productivity reduction experienced since Fulco was implemented 24 months ago
- Secunda collieries targeting >1 200t/cm/s sustainable productivity by FY24/5
- Productivity is sometimes constrained by more challenging geological conditions
- Sigma (Sasolburg) productivity lower due to significantly different geology (steep dips, undulating floors and complex roof structure) requiring extensive roof support
- Sustained benefits of Full Potential post implementation phase is a key focus area

Future productivity improvement reporting will focus on Secunda collieries

## **Driving targeted initiatives to address our challenges**





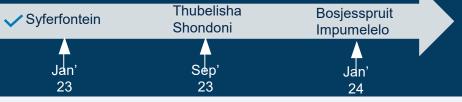
### **Realising Fulco benefits through the Full Potential programme**





- Launched in Jan'23 to drive productivity improvement through:
  - Optimising and embedding safe production processes to improve cutting time
  - Capability upliftment prioritising basic mining process skills
  - Improving monitoring and effectiveness of holding-toaccount mechanisms e.g. Visual Performance Centres
- Syferfontein production improved to ~1 200 t/cm/s in June'23
  - Working to sustain performance at this level
  - Ramp-up slower than planned
  - Lessons learnt being embedded at rest of collieries

#### Phased implementation:



## Additional complex-wide productivity improvement initiatives



#### High Care, High Standards culture

- Leadership engagement and active coaching to ensure mining processes are executed safely and to plan
- "Minute management" to improve cutting time and reduce production loss
- Continuous training initiatives

#### Improved equipment reliability and availability

- Review maintenance strategy and approach
- Review time allocated to execute maintenance within the Fulco cycle
- Review our skills base, including the appointment of master artisans

#### Improved mining flexibility

- Increase stonework resources to maintain and improve pitroom
- Improve horizontal drilling through training, new technology and equipment standardisation
- Open up reserve blocks through geographical expansion and new ventilation shafts
- Increase section capacity, including evaluation of walk-on, walk-off sections

## Improved planning & integration

Improve geological exploration and modelling (understanding of the resource) and integrated planning for production, quality, equipment, infrastructure, resourcing and capital planning

#### Increase productivity to >1 200 t/cm/s by FY24/5

## Increasing flexibility through walk-on, walk-off sections



- Walk-on, walk-off sections are created by using additional equipment in an existing section to cut coal and install roofbolts while the existing set of equipment and the next area are prepared for cutting
- Walk-on, walk-off sections reduce the waiting time for machine preparation and roof support and thereby increase cutting minutes, i.e. actual minutes that the rotating head of the continuous miner is physically cutting coal in the coalface
- Expected productivity improvement of ~30% within walk-on, walk-off sections, with the potential to implement 5 sections without acquiring additional equipment



Productivity KPI will include t/section/s

## **Coal quality improvement initiatives**





## Medium term

## Operational improvement initiatives

- CM<sup>1</sup> operator training to improve quality awareness, contamination measurement and reduce roof & floor cutting
- Mechanical roof control methods including inclinometer installation and technology testing

#### Enhancing quality and blend management

- Evaluating new online coal quality analysers to reduce sample analysis lead times
- Quality forecasting functionality through the IQMC<sup>2</sup> pilot to support shortterm quality management

## Improved quality of coal purchases

- Finalising fixed term agreements to secure better quality coal for FY24 - FY26
- These sources are being tested to ensure the required caking propensity requirements are met

#### Destoning

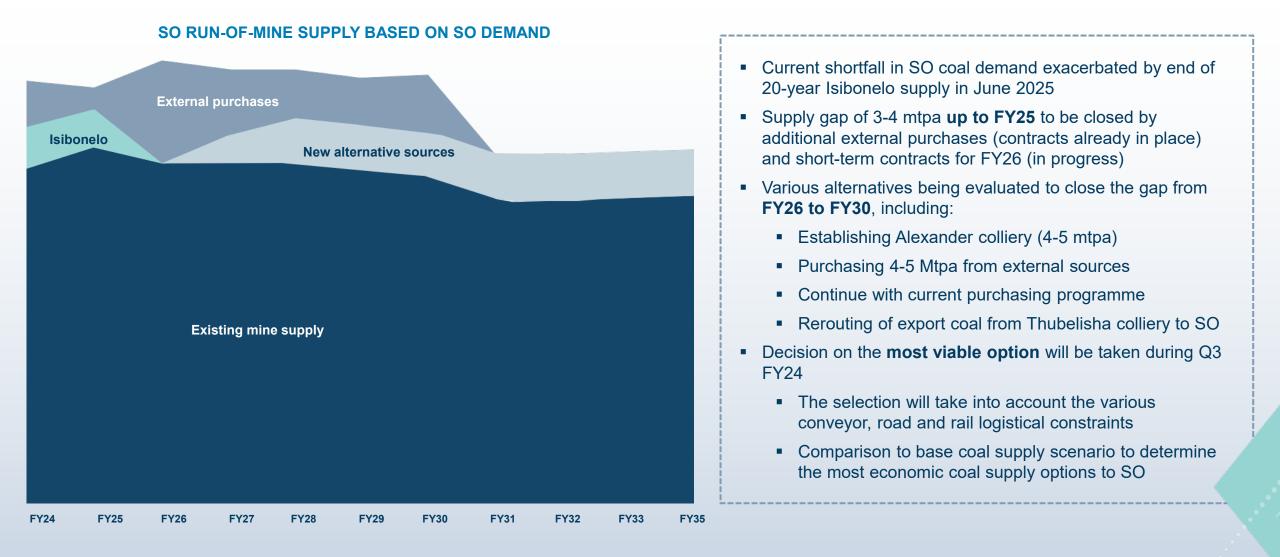
- Feasibility study completed in Aug 2023
- Environmental permit approval expected in H2 CY24
- Destoning unit to be online by late CY25/ early CY26<sup>3</sup>
- Capital to be confirmed at Final Investment Decision (FID)

[Please refer to Destoning video available on <u>www.sasol.com</u>]

- 1. Continuous miner
- 2. Integrated Quality Management Centre
- 3. Dates flexible and dependent on environmental licensing and permitting processes

### Various long-term coal supply sources being considered





## FY23 delivery - maintaining momentum into FY24





FY23 coal stockpile maintained at target levels



Phased rollout of Full Potential programme



5% improved productivity for Secunda collieries in H2 FY23



Additional stonework sections and resources to improve flexibility



Introduction of walk-on, walk-off sections to improve cutting time



Progressing safety remediation programme and addressing HSI findings



## FY24 outlook

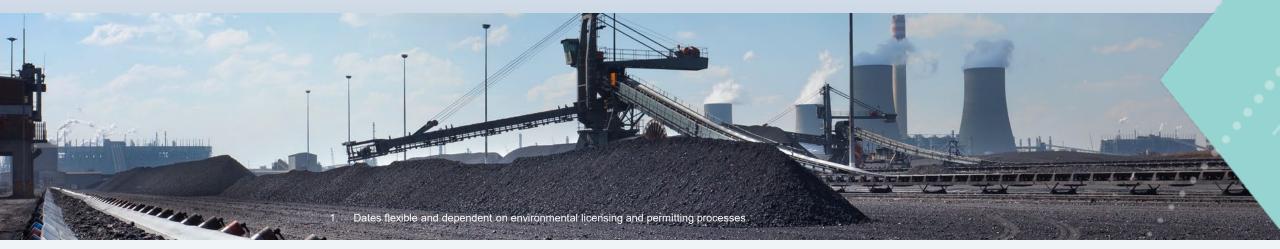


## Summary: What you heard today



Improvement initiatives underpinned by our safety commitment Implementation of productivity initiatives ->1 200 t/cm/s in FY24 for Secunda collieries

Progressing coal quality solutions with **destoning online by FY26**<sup>1</sup> Various long-term coal supply sources being considered to optimise 2030 reserve deployment





## **Abbreviations and definitions**



bn	billion	SA
Capex	Capital expenditure	SAF
CFC	Cash fixed costs	SO
СМ	Continuous Miner	SO <sub>2</sub>
CSI	Corporate Social Investment	t/cm/s
ERR	Emission Reduction Roadmap	US
ESG	Environmental, Social and Governance	VOC
EU	Europe	
gal	Gallon	
GHG	Greenhouse gas	
H <sub>2</sub>	Hydrogen	
HŜI	High severity injury	
kt CO <sub>2</sub>	kilo tons carbon dioxide	
IQMC	Integrated Quality Management Centre	
LNG	Liquified natural gas	
mm bbl	million barrel	
mt	million tons	
MW	Megawatt	
NG	Natural gas	
p.a	Per annum	
NoX	Nitrogen oxides	
PPA	Petroleum Production Agreement	
PPAs	Power Purchase Agreements	
ppm	Parts per million	
PPE	Personal Protective Equipment	
PM	Particulate matter	
RE	Renewable Energy	
R&T	Research and Technology	

4	South Africa
٩F	Sustainable Aviation Fuels
C	Secunda Operations
<b>D</b> <sub>2</sub>	Sulphur dioxide
cm/s	tons per continuous miner per shift
S	United States
C	Volatile organic compound

## **Additional information**



