

ANGLO AMERICAN PLATINUM

MOGALAKWENA MINE SITE VISIT

11th February 2015



Real mining. Real people. Real difference.

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AGENDA

- 07:00 Introduction from the CEO
- 07:15 Mogalakwena operation presentation
- 07:55 Q&A session
- 08:20 Departure to Mogalakwena mine
- 09:30 Arrival and in-pit experience
- 12:00 Lunch
- 12:45 North concentrator visit
- 14:30 Departure



Overview of 2015

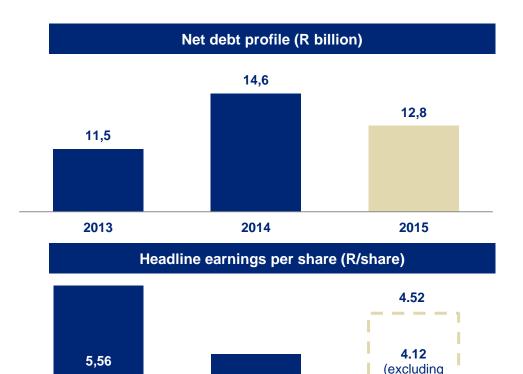
Chris Griffith, Chief Executive Officer



Overview of 2015



Managing the business...



3,01

2014

2013

one-off items)

0.41

2015

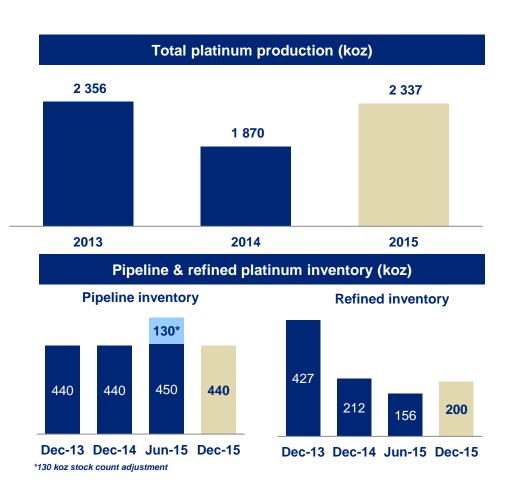
- Zero harm remains the priority
- PGM pricing remains challenging
- All operations cash positive
- R4 billion of free cash flow generated from operations
- Net debt reduced to R12.8 billion from R14.6 billion
- Rightsizing the business with R1.0 billion overhead savings identified
- Continuing with the repositioning of the portfolio
- Earnings significantly impacted by one-off impairments and restructuring costs

...for the low PGM price environment



Operational performance in 2015

Loss-making ounces cut...efficiencies improving at profitable operations...



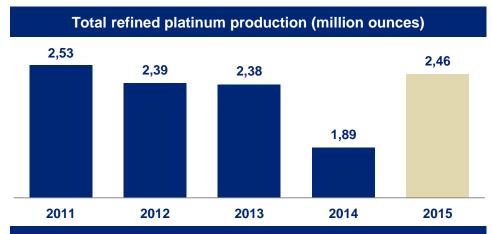
- Platinum production of 2,337 koz, up 25%
 - Mogalakwena production up 6% to 392 koz
 - Amandelbult production up 100% to 437 koz
 - Unki production up 7% to 66 koz
- Production cuts of c.350 koz made up by productivity improvements
- Non-core operations, Rustenburg and Union, continuing operational improvements through optimised mine plans
- Joint ventures total production of 768 koz
- Pipeline inventory back to normalised levels
- Refined inventory of 200 koz

...enabling production performance to return to pre-strike production levels

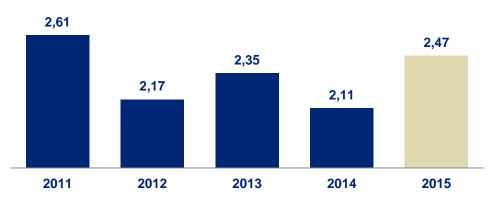


Refined production & sales volume in 2015

Refined production back to normal levels...



Total platinum sales volume (million ounces)



Platinum

- Platinum refined production up 30% to 2,459 koz
- Platinum production of 2,337 koz
- Drawdown in pipeline inventory to normalised levels
- Platinum sales up 17% to 2,471 koz

Palladium and Rhodium

- Palladium refined production up 30%
- Rhodium refined production up 33%

Base metals

- Base metal refinery tonnes up 26% as production normalised post 2014 strike
- No further tolling arrangement as stockpiles all treated

...supplemented by drawdown in inventory...leading to increased sales in 2015



Repositioning the portfolio

Focus remains on repositioning the portfolio...

Restructuring since 2013...

1. Reshape Rustenburg & exit

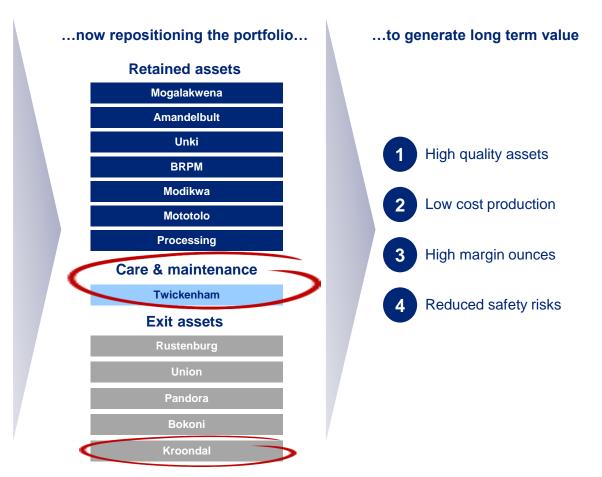
- Optimised and integrated 5 mines to 3 in 2013
- Further consolidation to 2 in 2015
- Volume reductions ~210koz Pt
- · Sale agreement signed in 2015 with Sibanye Gold

2. Reshape Union & exit

- Consolidated Union North and South Mines
- Closed the North and South declines
- Volume reductions of ~80koz Pt
- · Prepare for exit through sale in 2016

3. Simplify JV portfolio & maximise value

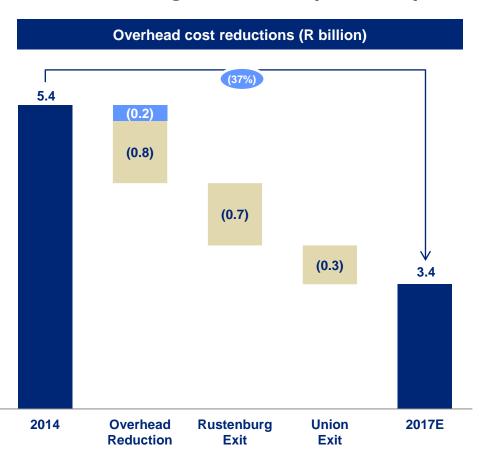
- · Consider exit options for Bokoni and Pandora
- Bokoni mine optimised. Restructuring and shaft closures in 2015
- · 2016 decision to exit Kroondal for value





Managing for the current environment

Focus on cash generation, capital discipline...



Cash generation

- Ensure all operations are cash flow positive optimised mine plans
- Commencing the process towards placing
 Twickenham on care and maintenance

Reorganisation

- Consolidation of mines and concentrators with correct support structure
- Repositioned portfolio smaller and less complex

Cost reduction

- Reduced c.400 indirect jobs saving R200m per annum
- Reducing indirect costs by R800m per annum

Capital discipline

 All major capital project decisions delayed until at least 2017

...and cost rationalisation



Guidance and outlook...

- Platinum production between 2.3 2.4 million ounces
- Unit cash cost guidance: R19,250 R19,750 per platinum ounce (metal in concentrate)
- Direct overhead savings and indirect savings of R1.0 billion identified
- Capital expenditure guidance: R3.7 billion R4.2 billion
- Repositioning of the portfolio to continue anticipate Rustenburg disposal completed by the end of 2016
- Progress the sale of Union, Bokoni, Pandora and assess value exit options for Kroondal
- Commencing the process towards placing Twickenham on care and maintenance
- All mining complexes are cash positive at current spot prices and FX rates



Mogalakwena operation

Richard Cox, General Manager





Mogalakwena mine – location





Mogalakwena leadership team

Hermann Hollhumer Engineering Manager



Bongani Mtshweni HR Manager

Allan Hartley Finance Manager

Judd Barlow Production Manager





Frans Marais SHE Manager

Ashina Buddu
Concentrator Manager





Richard Cox General Manager



Wynand Smit
Bus. Partner Technical

Hendrik van Niekerk MRM Manager



Bert Rossouw
Business Improvement Manager





Lebang GaobepeSocial Performance Manager

Wanda van Zyl
Protection Services Manager



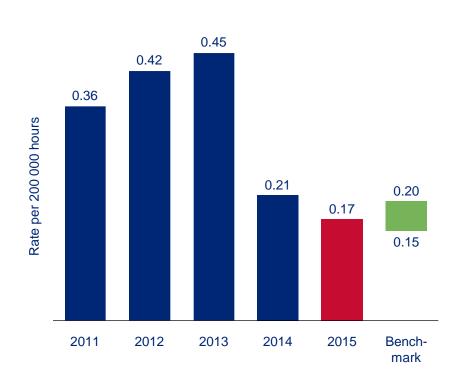
SAFETY





Safety performance

Lost time injury frequency rate



- Mogalakwena operation benchmarks favourably with international best practice safety performance
- The team is at an advanced stage in the implementation of the safety improvement plan
- · Notable recent safety achievements:

1. North concentrator	489 days LTI free
2. South concentrator	315 days LTI free
3. Mining	215 days LTI free
4. Mogalakwena operation	3.6 million ffs* (3½ years)

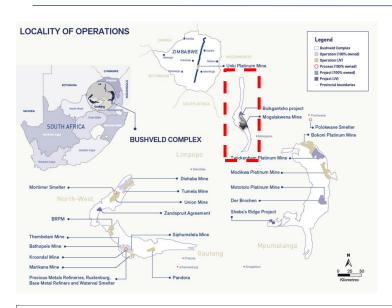


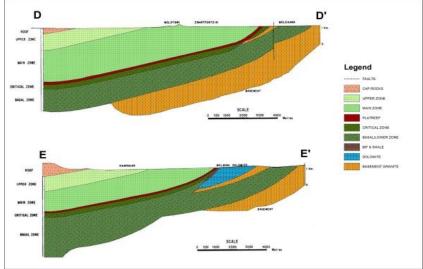
RESOURCES

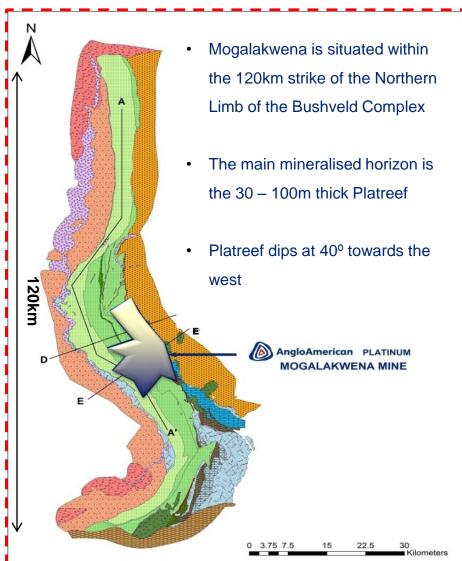




Geological setting



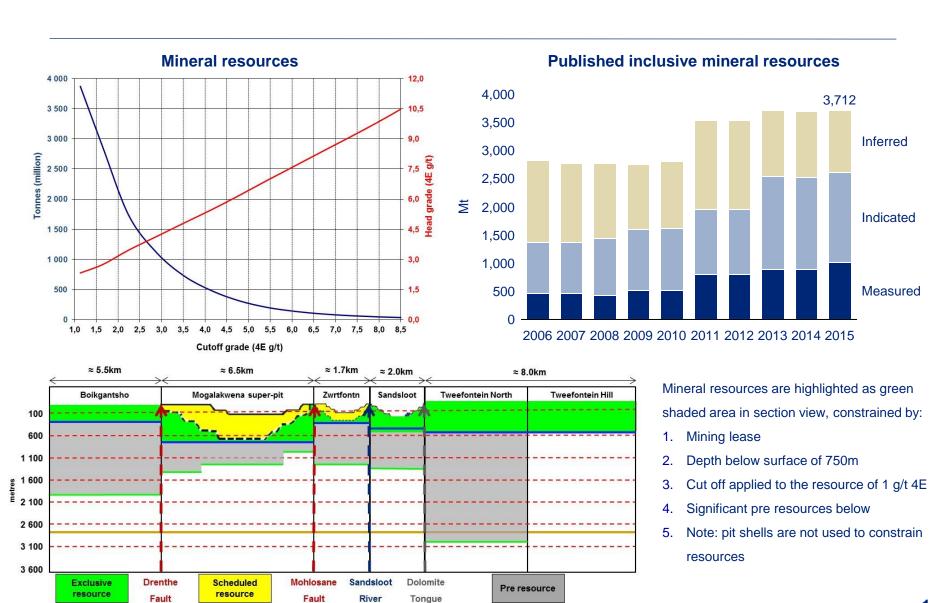






750 Extraction limit

Resource endowment

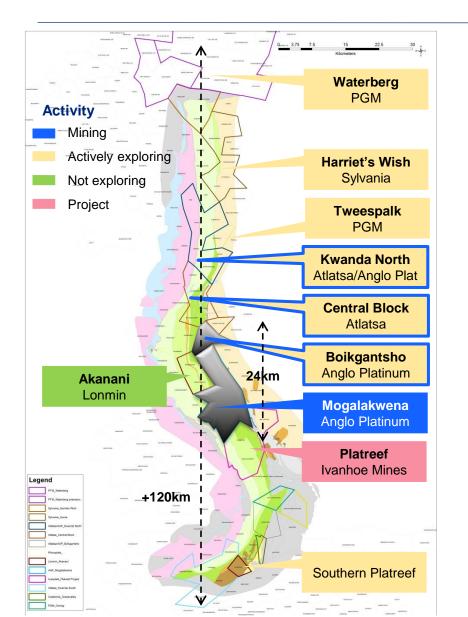


Pre-resource boundary

Resource publication boundary



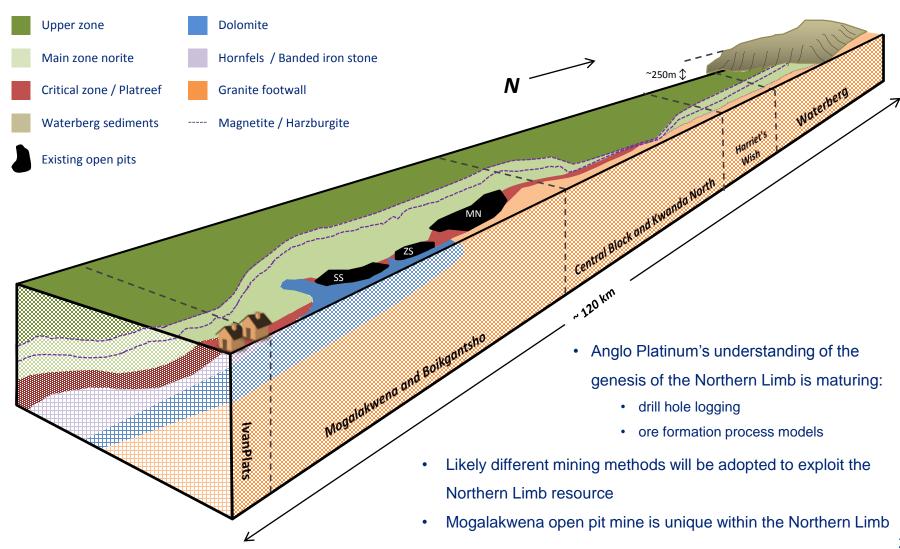
Regional activity



- Apart from Mogalakwena, no other mining activity within the Northern Limb
- Ivanhoe Mines is actively developing their underground project and busy with characterization/early access shaft
- PGM developing Waterberg resource on recently discovered Main Zone reefs – extended their prospecting area significantly
- Lonmin completed an underground pre feasibility study on Akanani
- Anglo American Platinum is currently developing strategies to optimise the footprint that includes Boikgantsho, Central Block and Kwanda North



Regional lithology





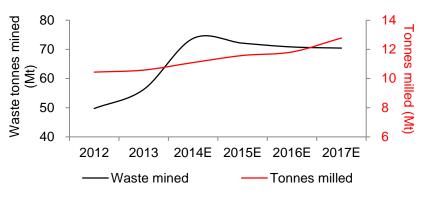
REPLANNING THE MINE

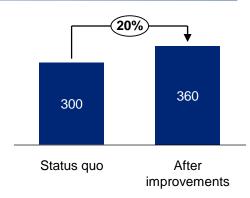




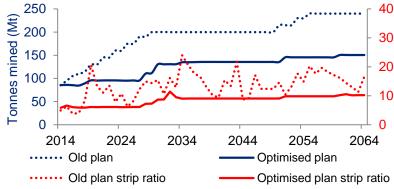
2014 commitment

Ongoing
concentrator
improvements &
debottlenecking





Mining strategy improvements



Cost reduction driving NPV

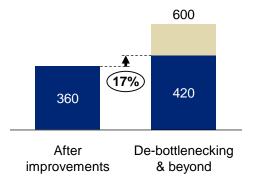
Stripping ratio

- · Optimised cut back schedule
- Leading to lower and stable stripping ratio
- Stockpile levels minimised
- Strike extensions preferred to down dip pushbacks

Debottlenecking & further options

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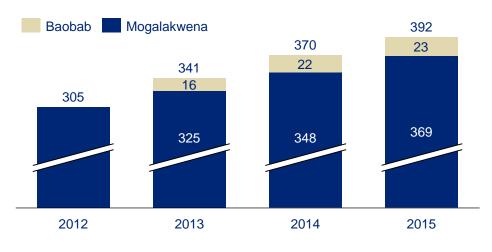


What we said in 2014	What we have achieved	What is yet achievable
Debottleneck MNC 925tph → 1,200tph	MNC 925tph → 1,010tph	MNC 1,010tph → 1,050tph
 R2 billion capital project to debottleneck MNC: R1.3 billion for dry section R0.7 billion for wet section 	Asset management implemented since 2014: defect elimination condition monitoring decoupling wet section from dry section R200 million	Hydraulic capacity upgrades to MNC in 1Q2016: • primary rougher tail pump • final tail pump
Commence construction in June 2015	Operating model implementation in 2015	Maintain recovery despite increased throughput: Conversion of ultra fine grinding mill to 5 th main stream inert grinding mill
First ounces from project mid 2017	Optimised toll concentrating in 2015	Mogalakwena Pt 392koz → 400koz
Mogalakwena Pt 360koz → 420koz	Improved recovery from MNC circuit reconfiguration in 2015	Debottlenecking project is being rescoped
	Additional volume mined afforded increased short term cut off grade impacting head grade	Third concentrator expansion project as an alternative business case
MNC = Mogalakwena north concentrator	Mogalakwena Pt 360koz → 392koz	Significant reduction in stripping ratio from overall slope angle optimisation will yield further opportunities

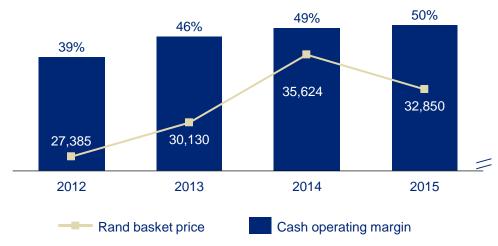




Platinum production (metal in concentrate)



Cash operating margin (%)



- Record production performance up 6% to 392 koz
- Unit costs reduced 7% in 2015 due to cost management and productivity initiatives
- Highest Rand basket price in the portfolio at R32,850 per platinum ounce
- Generated R4.4bn of economic free cash flow
- Cash operating margin maintained at 50% despite weaker prices

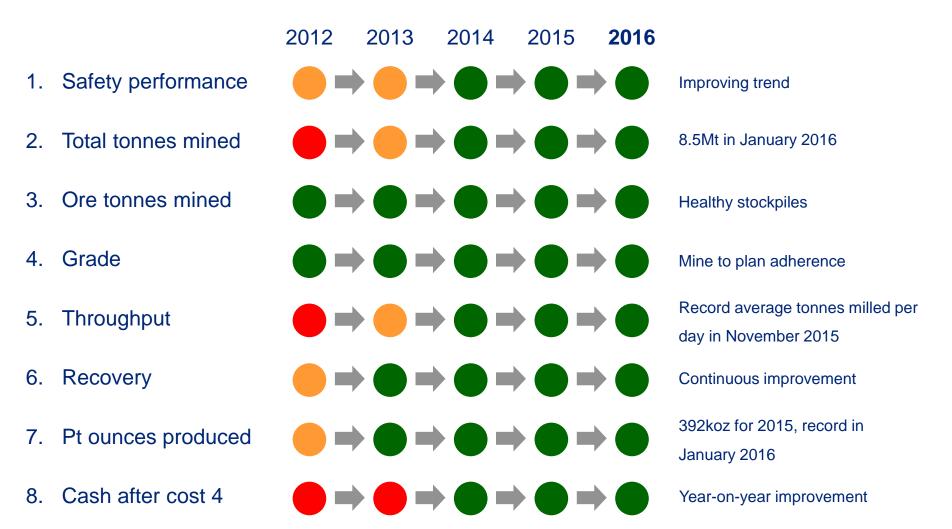


OPERATIONAL PERFORMANCE



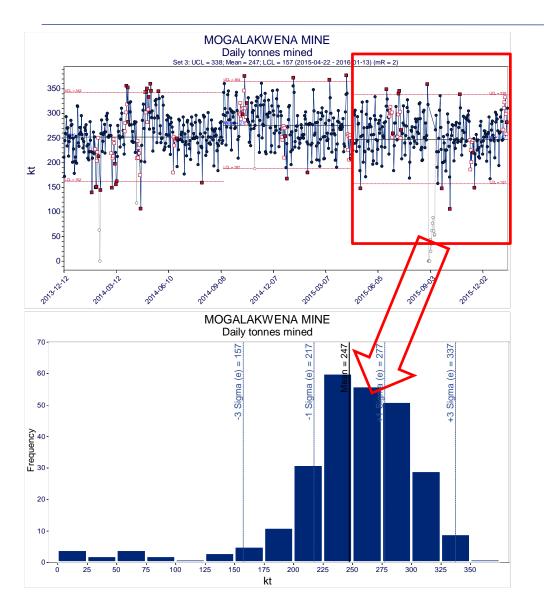


Confident outlook for 2016





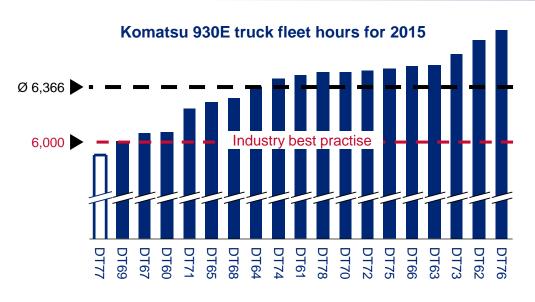




- The mining team is out performing targets and has improved upon both delivery and creation of process stability
- Greater focus upon improvements in fragmentation from blasting optimisation initiatives since 4Q2015 is yielding results
- Increased mining depth has impacted hauling distance and two Komatsu 930E haul trucks have arrived to site to offset the hauling rate reduction
- Operating model implementation is underway to further reduce variability
- The analyse and improve approach based upon root cause and risk analysis is reducing both the incidence and impact of special cause events

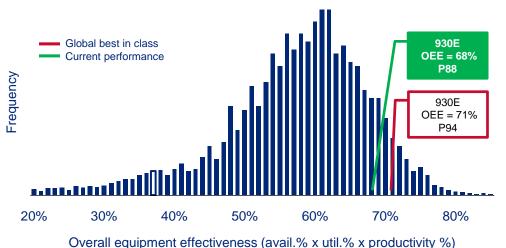


Overall equipment effectiveness

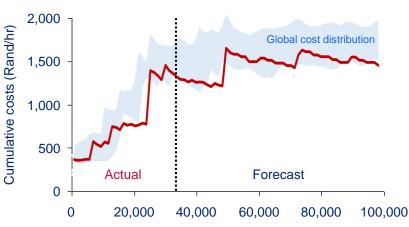


- Red Button's compendium is able to benchmark the fleets of 170 operations globally
- Mogalakwena benchmarks in the top 10% of all global truck fleets
- We are pursuing identified saving opportunities of R20m over the next 5 years:
 - engine repair costs
 - wheel motor repair costs
 - alternator repair costs

Red Button benchmark - overall equipment effectiveness

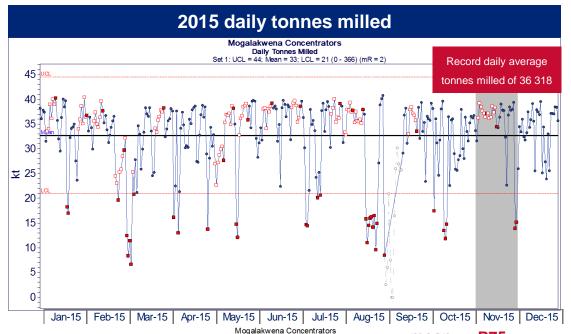


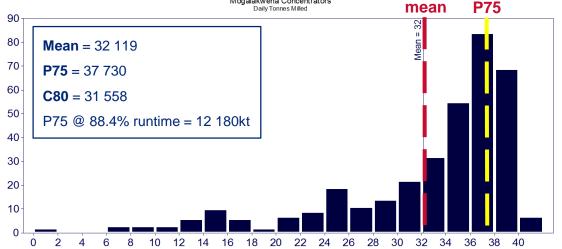
Whole of life forecast - 930E fleet





Concentrator performance





kt

- 2015 daily control chart representing 11.7 million tonnes aggregate throughput of MNC, MSC & Toll treat concentrators
- Mean daily throughput of 32 119 tonnes
- Set points, run time and shut maintenance schedule precision
- November 2015 performance exceeded the mean daily throughput by 13% (new record)
- Focus upon root cause analysis of common cause events
- Operating model at MNC assisting with creating stability
- MSC planned for Operating model roll out in 2016

MNC = Mogalakwena north concentrator

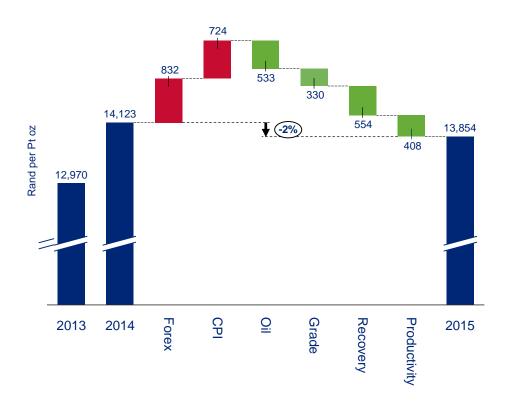
MSC = Mogalakwena south concentrator

Toll treat = Baobab concentrator (Lonmin)



Operating costs

Mogalakwena unit cost per Platinum ounce



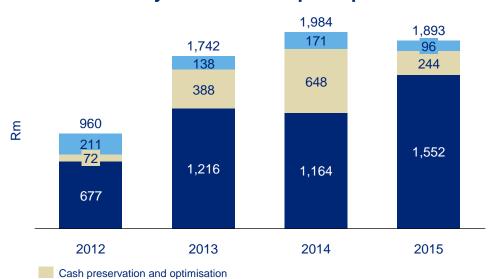
- 42% of mining costs are foreign currency based
- Diesel consumption accounted for approximately 17% of mining cost
- Mining unit cost has been flat for three years with business improvement initiatives having impact
- Higher mining rate afforded the opportunity to apply a short term cut off strategy resulting in increased feed grade (+5%)
- 11% of concentrator costs are foreign currency based
- Runtime for concentrators was impacted largely by the community unrest period and project tie-ins at MNC
- Improved recovery from MNC circuit reconfiguration added significant value
- Operating model implementation in 2015 will improve throughput



Waste stripping and maintenance

Stay in business capital

Stay in business capital spend

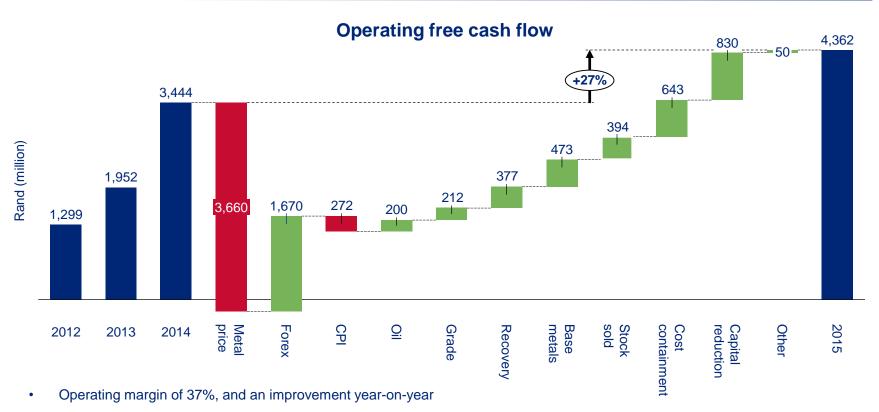


Komatsu 930E build February 2016



- We are doing the right things with no long term short cuts:
 - waste stripping to life of mine plan (2 new Komatsu 930E dump trucks purchased in 2016)
 - 2. major maintenance programmes continue
- We are scrubbing approved capital votes with significant cash savings and cash preservation already realised:
 - 1. life extension of Unit Rig 3700 dump trucks
 - deferment of second rope shovel because of improved reliability of hydraulic shovels
 - 3. exploration programme slowed
- We are applying smart design principles to optimise current assets:
 - Blinkwater tailings storage facility rock containment wall redesign
 - equipment modification in favour of purchasing new
- And, we are approaching the debottlenecked
 420koz platinum production aspiration without
 capital

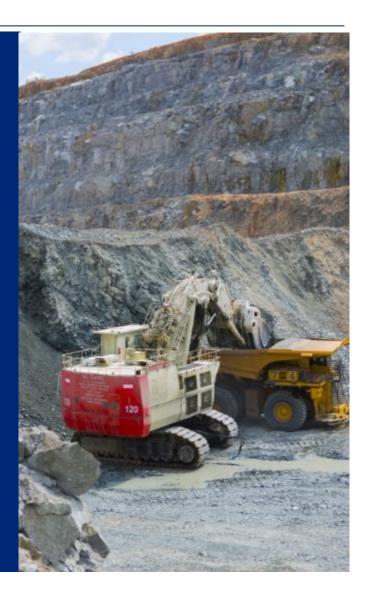
Operating free cash flow



- Annual platinum production increased by 24koz from higher head grade and improvement in recovery
- High grade base metal anomaly within North pit drove additional base metal production
- Business improvement initiatives impacted upon:
 - 1. productivity (labour, drill penetration, loading, and payload)
 - 2. maintenance reliability (trucks, shovels and drills)
- Capital reduction mainly from improvements to tailings dam design and deferment of some business improvement opportunities in favour of cash preservation (i.e. 2nd rope shovel procurement)



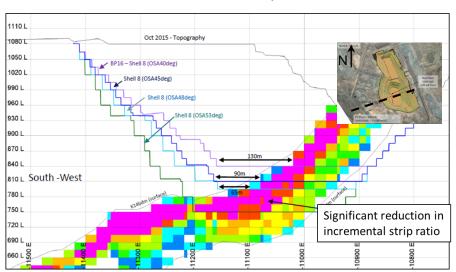
VALUE CREATION



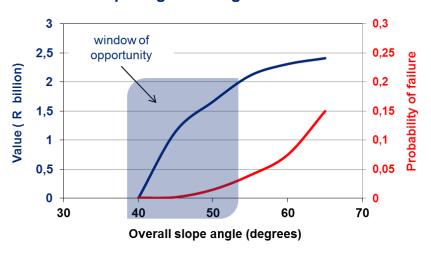


Slope optimisation

Cross section of Cut 8, Central Pit



Overall slope angle redesign value-risk trade off



Opportunity description

- · Advanced mining technical project
- Increase hanging wall overall slope angle beyond 40°
- · Reoptimise the life of mine plan

Approach

- Apply best practice slope design methods and built up empirical evidence
- Realise incremental gains matching operational capability

Value lever

- Significant reduction in stripping ratio
- Compared to current design, trade off same ore from less overall movement vs. more ore from same overall movement

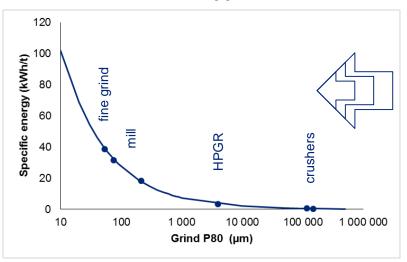
Time frame to implementation

- The mine plan of 2017 will include revisions to overall slope angle
- Reserve publication in 2017





Traditional approach



Pilot ore sorting plant at Mogalakwena



Opportunity description

Remove uneconomic material from mill feed

Approach

 Apply technology to reject waste and low grade ore from mill feed

Value lever

- Reject 30-40% of feed mass; retain 85-90% of metal at the 30mm to 100mm size fraction
- Trade off incremental capital expenditure for increased throughput capacity with ore sorting technology

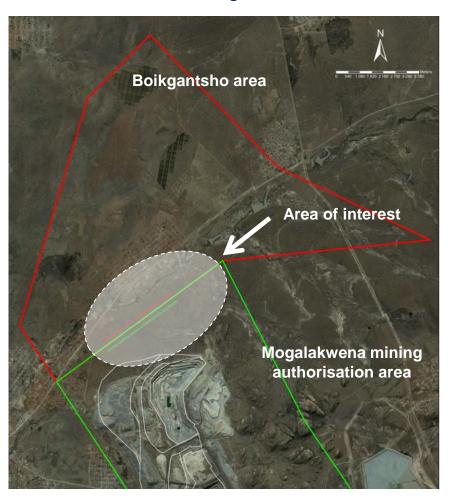
Time frame to implementation

- Proof of concept plant in operation at Mogalakwena (300 tonnes/day)
- ABC studies underway with a view to commence with pre-feasibility study in 2017



Boikgantsho property

Plan view of Boikgantsho area



Opportunity description

- · Early stage mining project
- · Optimise the life of mine plan

Approach

- Include Boikgantsho into the Mogalakwena mining rights area
- Include Boikgantsho resource into the operation's block model
- Avail part of the Boikgantsho property for a waste rock disposal facility

Value lever

- Extension of the Mogalakwena north pit limit to access known ore resources
- Lower the average dumping height of the operation → significant capital and operating cost benefit

Time frame to implementation

 Boikgantsho expected to integrate into the Mogalakwena lease in 2017

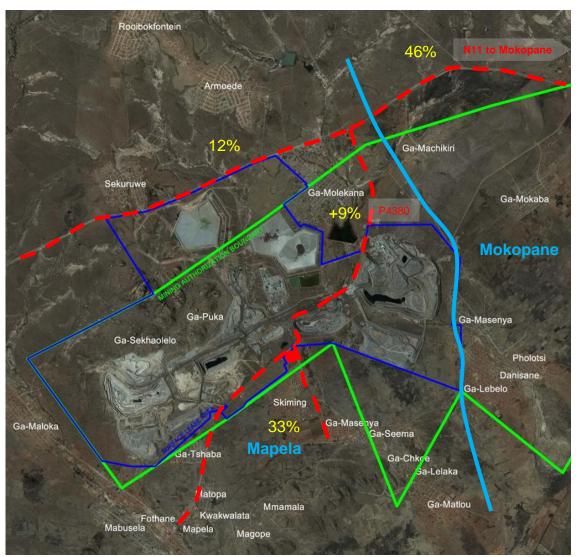


COMMUNITIES





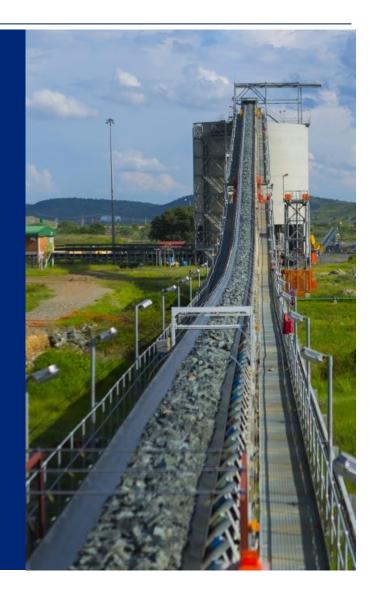
Social performance climate



- Mogalakwena mine is established straddling two traditional authorities
- Three communities have been relocated, two in total and one in part
- Traditional authority intertwined with democracy
- Old structures over time become efficient, no longer all inclusive and lose effectiveness
- New structures emerge and seek legitimacy
 youth mobilised to take action
- 31st August 2015, Mogalakwena operation was impacted by community unrest
- We have created new community engagement fora and made immediate impact in local employment and in local business

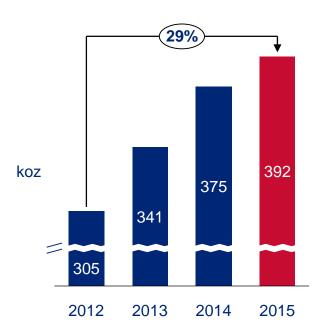


KEY MESSAGES





Platinum ounces per annum

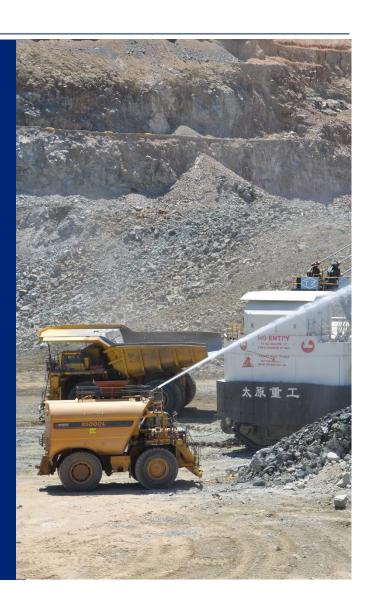


- 1. The community is a priority for sustainability
- 2. The orebody is unique, we understand our business and we execute
- Mine planning continues to identify step change value adding opportunities
- Our performance culture is keeping us ahead of the change curve

The team is excited about prospects for 2016



Q&A





THANK YOU