



# ANGLO AMERICAN PLATINUM 2016 ANNUAL RESULTS PRESENTATION

**15 FEBRUARY 2017** 



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## AGENDA

- Overview of 2016
- Operations
- Financials
- Markets
- Strategy
- Outlook



## **OVERVIEW OF 2016**

CHRIS GRIFFITH, CHIEF EXECUTIVE OFFICER

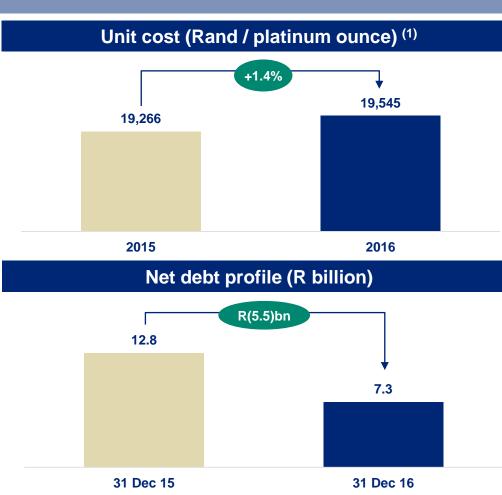


Real Mining. Real People. Real Difference.

## **OVERVIEW OF 2016**

## Delivering change...building a resilient business...

- Zero harm remains the priority
- PGM pricing remained weak
- Strong operational performance up 2%
- Unit cost increase of only 1.4%
- R3.5 billion of free cash flow generated from operations
- Net debt reduced by R5.5 billion to R7.3 billion
- Solid earnings per share of R7.13
- Significant progress in repositioning the portfolio





## **OPERATIONAL REVIEW**

CHRIS GRIFFITH, CHIEF EXECUTIVE OFFICER



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## **SAFETY, HEALTH & ENVIRONMENT**

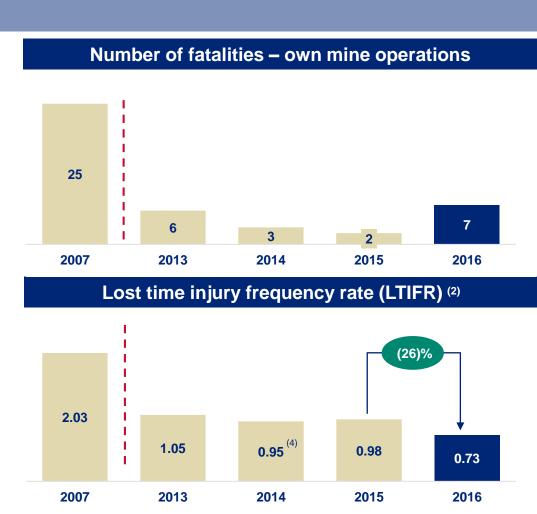
## Disappointing fatality performance...

#### Safety

- Tragically, 7 fatalities occurred during 2016
- Overall safety trend showing strong improvement
  - LTIFR (2) reduced by 26% to 0.73
  - TRCFR (3) reduced by 31% to 1.05
- Section 54 stoppages continue to impact production

#### **Health & Environment**

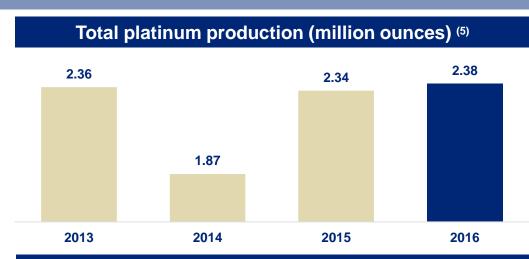
- Effective disease management programmes resulted in significant reduction in HIV and TB related deaths
- No significant environmental incidents



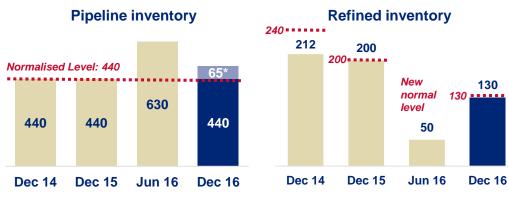
## **OPERATIONAL PERFORMANCE IN 2016**

## Efficiencies improving at operations...

- Total platinum production up 2% to 2.38 million ounces
- Retained own mine operations up 5% to 956,000 ounces
  - Mogalakwena up 5% to 412,000 ounces
  - Amandelbult up 7% to 467,000 ounces
  - Unki up 12% to 75,000 ounces
  - Twickenham placed on care and maintenance
- Joint ventures total production up 2% to 785,000 ounces
- Non-core operation Union up 7% to 151,000 ounces
- Total production from Rustenburg down 4% (including purchase of concentrate post sale)
- Pipeline inventory impacted by Waterval smelter run-out
- New normalised refined inventory levels at c.130,000 ounces



#### Pipeline & refined platinum inventory ('000 ounces)

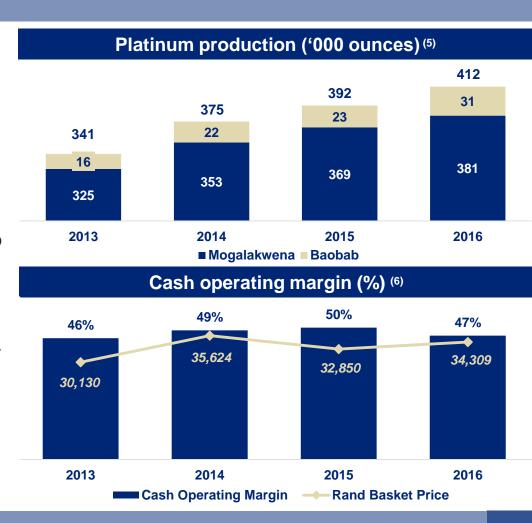


<sup>\*</sup> Built up pipeline inventory from the Waterval smelter run-out

## **MOGALAKWENA**

## Another record performance...

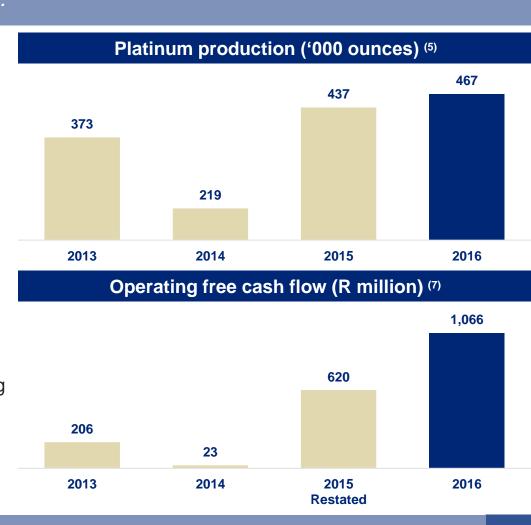
- Award winning safety performance 6 million fatality free shifts
- Record production performance:
  - Total production up 5% to 412,000 ounces
  - Total tonnes milled up 8%
- Baobab continued to deliver value, with production up to 31,000 ounces
  - Secured full use and operational control for 3 years on completion of the sale of the Pandora JV
- Highest rand basket price in the portfolio of R34,309 per platinum ounce
- Maintained strong cash operating margin
- R3.2 billion operating free cash flow



## **AMANDELBULT**

## Success visible in production performance...

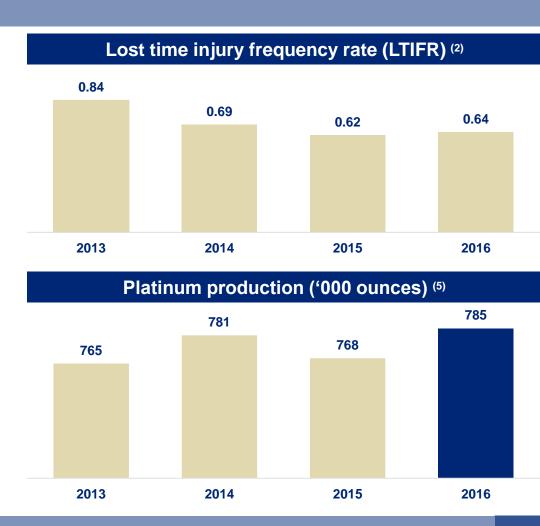
- Tragically 2 fatalities in 2016
- Strong production performance up 7%:
  - Improved operational efficiencies in underground mining
  - Open pit production added 41,000 ounces
- Chrome plant commissioned on time and on budget
  - 235,000 tonnes of chrome concentrate produced
  - Payback period of 6 months
- Rand basket price increased 10% with the inclusion of chrome revenue
- Generated R1.1 billion operating free cash flow including R320 million from chrome
- Dishaba UG2 project in progress limited capital expenditure



## **JOINT VENTURE OPERATIONS**

## Record production performance...

- Tragically 6 fatalities occurred across the joint venture operations
- LTIFR stable at 0.64 in 2016
- Strong mining performance up 2% to 785,000 ounces:
  - Modikwa up 10% to 115,000 ounces
  - BRPM up 9% to 196,000 ounces
  - Kroondal up 4% to 274,000 ounces
  - Mototolo up 2% to 117,000 ounces
  - Bokoni up 4% to 83,000 ounces normalised for closure of two unprofitable shafts



## **NON-CORE OPERATIONS - RUSTENBURG & UNION**

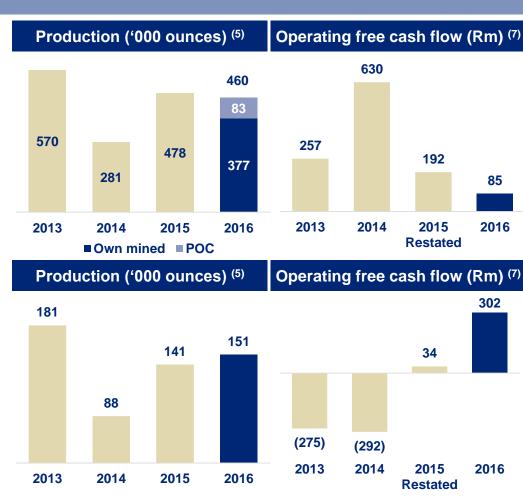
Rustenburg sale complete...operational improvements at Union...

#### Rustenburg

- Tragically 4 fatalities in 2016
- Total platinum production down 4% to 460,000 ounces
- R85 million operating free cash flow (including purchase of concentrate)

#### Union

- Tragically 1 fatality in 2016
- Strong platinum production up 7% to 151,000 ounces
- R302 million operating free cash flow



## **REFINED PRODUCTION & SALES VOLUME IN 2016**

Refined production impacted by the Waterval smelter run-out...

#### Refined platinum production

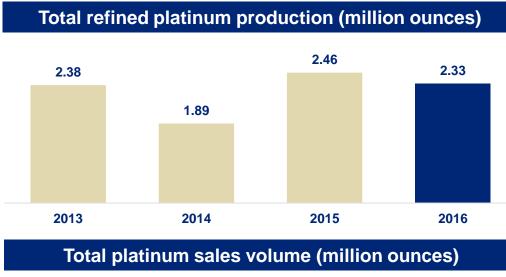
- Platinum refined production down 5% to 2,335 koz
  - Impacted by the Waterval smelter run out by 65,000 ounces
  - Lower stock gain by 70,000 ounces led to lower pipeline inventory to refine
- The PMR has fully made up production after the section 54 safety stoppage in H1 2016

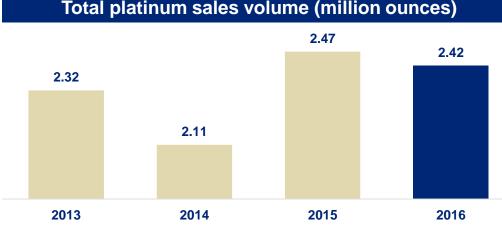
#### **Platinum sales**

Platinum sales down 2% to 2,416 koz

#### **Palladium & Rhodium**

- Palladium refined production down 8%
- Rhodium refined production up 4%

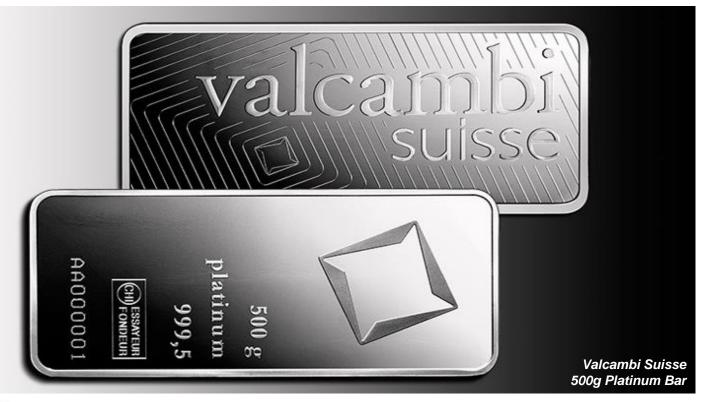






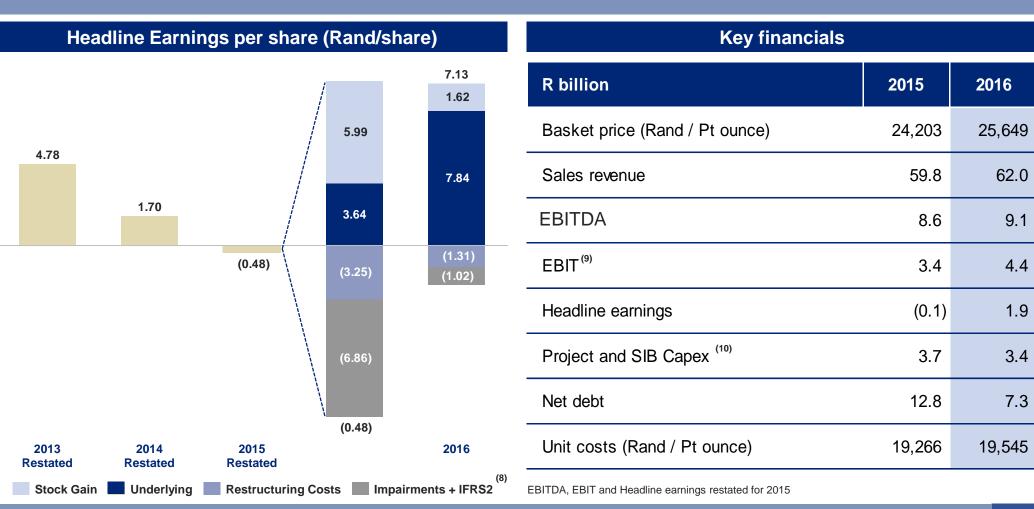
## FINANCIAL REVIEW

IAN BOTHA, FINANCE DIRECTOR



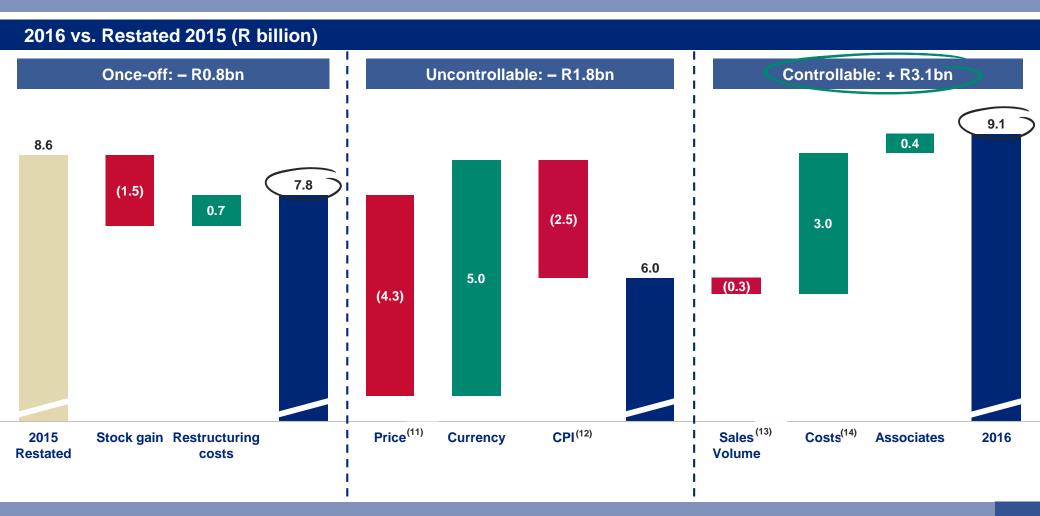
## **SUMMARY OF 2016 RESULTS**

Balance sheet strengthened...



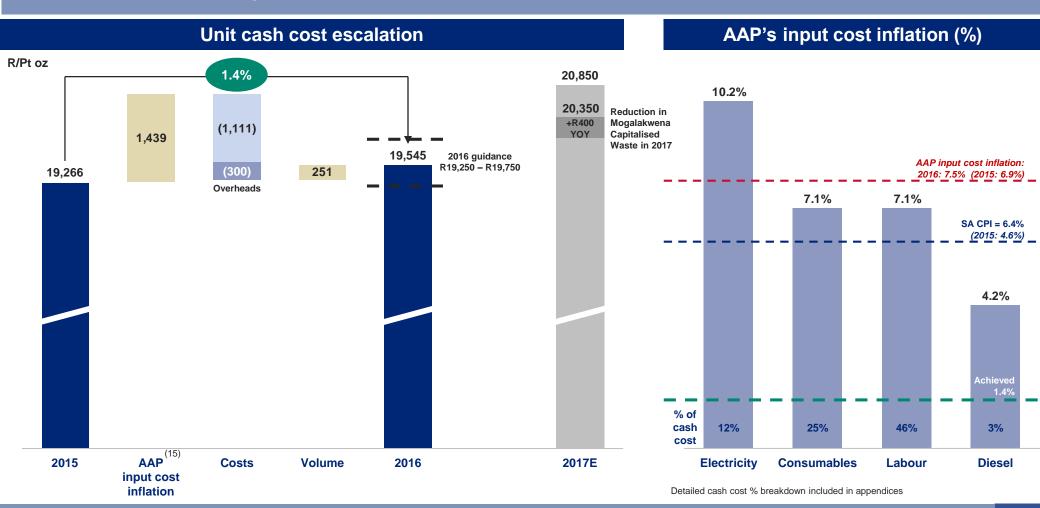
## **EBITDA VARIANCE**

Improved earnings from strong cost delivery and weaker Rand...



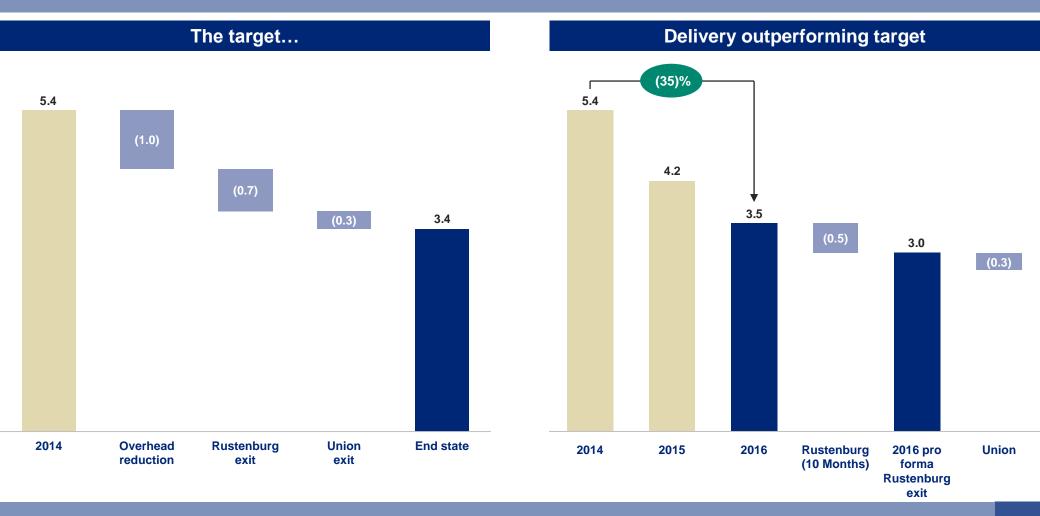
## **UNIT COST**

Cost control keeping unit cost escalation below CPI and input cost inflation...



## **RIGHTSIZING OVERHEADS**

R700 million lower than 2015...



## **CAPITAL EXPENDITURE**

## Disciplined capital allocation continues...

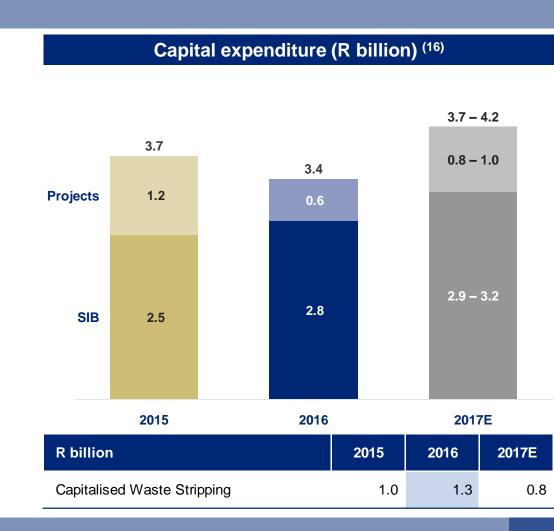
- Focus on low capex, fast payback, value accretive projects
- Continued strong SIB governance

#### 2017:

- Unki smelter
- Dishaba UG2
- Smelter furnace rebuild
- Mogalakwena concentrator optimisation

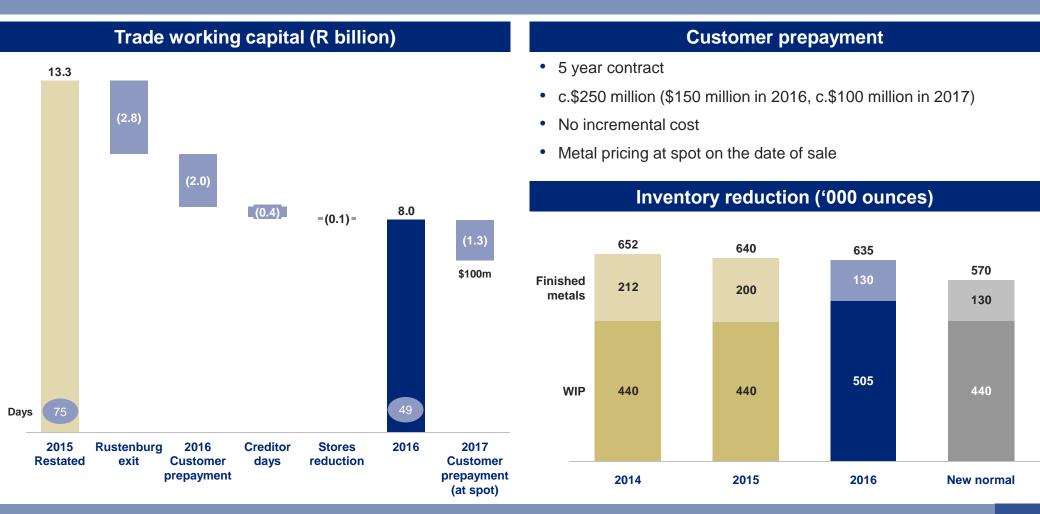
#### Near term:

- SO<sub>2</sub> abatement
- Replacement and ore reserve development
- Smelter furnace rebuilds
- No expansion projects until after 2017 and then only if balance sheet allows and market demands metal



## **WORKING CAPITAL**

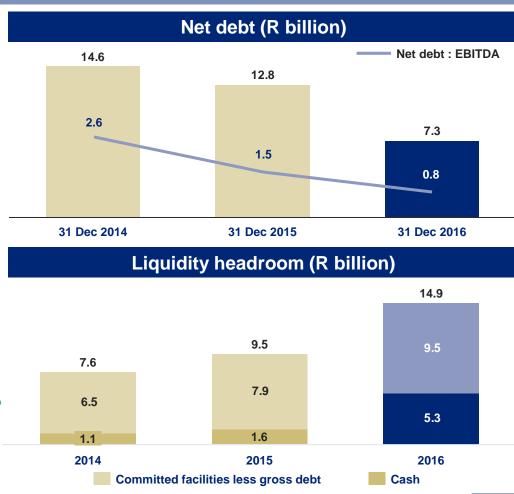
Actively managed down...



## **NET DEBT**

## Generated R3.5bn free cash flow from operations...

Net debt (R billion)							
Opening net debt 1 January 2016		12.8					
Cash flow from operations	(10.5)						
Restructuring costs	0.3						
Capex and capitalised waste stripping	4.7						
Cash tax paid	1.1						
Other	0.9						
Free cash flow	(3.5)						
Net interest paid	1.4						
Customer prepayment	(2.0)						
Net cash flow		(4.1)					
Rustenburg proceeds after costs (17)		(1.4)					
Closing net debt 31 December 2016		7.3					
November 2016 VAT (Received in January)		(0.5)					
Pro forma 2016 net debt		6.8					





## **MARKETS REVIEW**

CHRIS GRIFFITH, CHIEF EXECUTIVE OFFICER



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## **MARKET PRICES**

Average US Dollar PGM prices were lower year-on-year in 2016...

## US Dollar platinum price remains below peak 2015 levels

- Average platinum price was down 6% year-on-year
- The platinum price fell in H2 2016 due to a stronger US Dollar and an increase in US interest rates

#### Realised basket price

- 2016 realised basket prices
  - US Dollar basket down 8% to \$1,753/oz (\$1,905/oz in 2015)
  - Rand basket up 6% to R25,649/oz (R24,203/oz in 2015)





## **PLATINUM MARKET**

Platinum in deficit in 2016 due to strong industrial and investment demand...

#### Demand: 0.4% growth

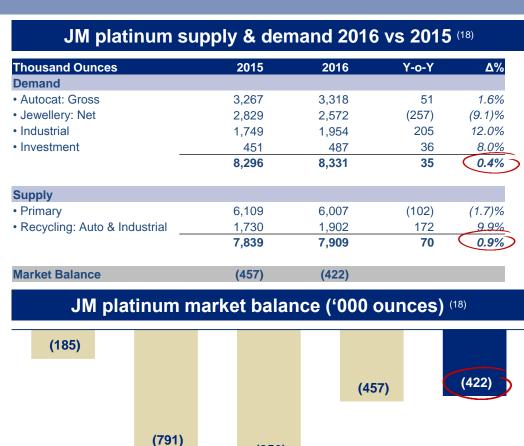
- Higher y-o-y consumption in the automotive, industrial, and investment sectors
- Total number of diesel vehicles sold in Europe increased, despite some moderation in market share as expected
- Chinese jewellery demand fell compared to 2015

#### Supply: 0.9% growth

- Primary supply decreased largely due to lower sales of stock by South African producers
- Automotive recycling levels increased modestly but remain depressed due to weak prices
- Jewellery recycling was stronger than normal

#### **Balance**

 Platinum market was in deficit in 2016 with a deficit expected again this year



(856)

2014

2015

2013

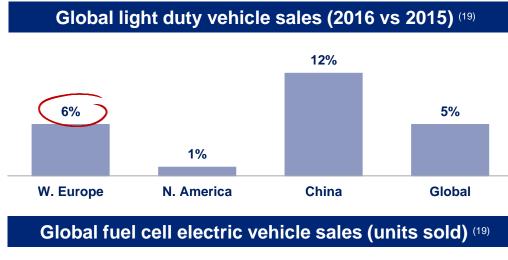
2012

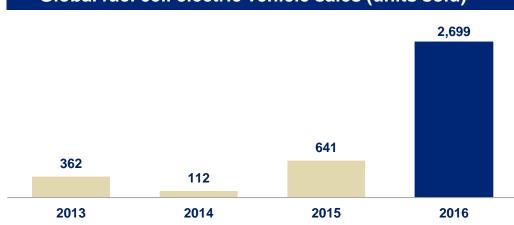
2016E

## **PLATINUM MARKET - AUTOMOTIVE**

Strong European sales support platinum demand...

- Autocat demand grew during 2016:
  - Sales in Western Europe up 6%
  - Slightly higher loadings due to Euro 6b legislation
  - Diesel fell to 49.6% market share, but more vehicles sold than in 2015
- Heavy Duty Diesel still a growth market
- Fuel Cell Electric Vehicles (FCEVs) technology developments proceeding well
  - Infrastructure: number of fuelling stations rises with aggressive expansion plans in China
  - Awareness: Continuing vehicle launches and increased use in public transport





## PLATINUM MARKET - JEWELLERY

## Chinese jewellery demand for gold and platinum weakens in 2016...

- Global jewellery demand fell in 2016
- Chinese jewellery market struggled due to:
  - Destocking
  - Softer consumer confidence
  - Shift in spending patterns
- India demonetisation stalls growth in Q4 but platinum makes headway in the retail sector

#### **Platinum Guild International (PGI)**

- Focus on China continues with PGI partners outperforming rest of sector
- Evara and Platinum Day of Love initiatives delivering results in India in challenging conditions



## PLATINUM MARKET – INVESTMENT

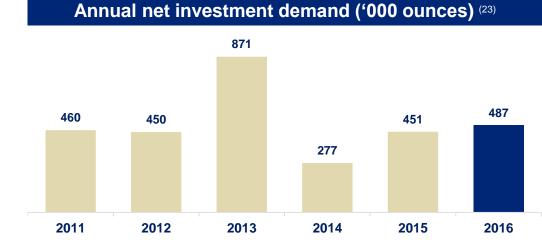
## Japanese investment strong again in 2016...

- Overall investment flows healthy last year
  - Platinum ETF holdings stable over the last few years
  - Physical investment in Japanese bars continued to be strong in 2016

#### **World Platinum Investment Council (WPIC)**

- WPIC and The Royal Mint working on a new range of physical platinum investment products
- Austrian Mint issues first platinum coin as part of the Vienna Philharmonic range
- WPIC and Bullion Vault launched a new online market place for physical platinum





## PALLADIUM MARKET

Palladium in deficit in 2016 due to healthy automotive growth...

#### Demand: 4.6% growth

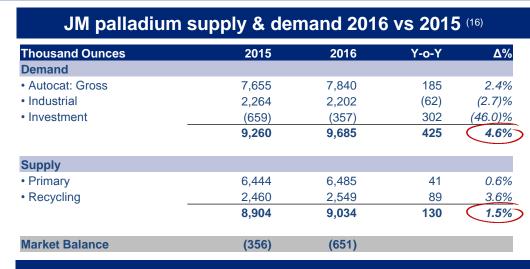
- Automotive demand firms with Chinese growth a main driver
- Industrial demand edges lower despite modest global economic growth
- Net investment demand negative for a second year due to ETF disinvestment

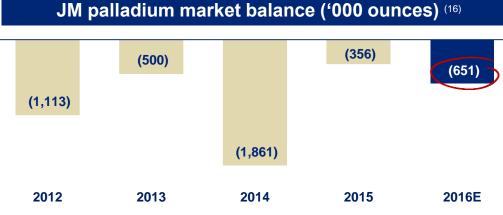
#### Supply: 1.5% growth

- Primary supply almost unchanged in 2016
- Automotive recycling grew by 3.6 per cent but remained below 2014 levels due to lower metal prices

#### **Balance**

 Palladium was in a fundamental deficit in 2016 and is expected to be in deficit again in 2017







## STRATEGY REVIEW

CHRIS GRIFFITH, CHIEF EXECUTIVE OFFICER



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## STRATEGY REVIEW

### Three key areas of our strategy...

Our value driven strategy is built around three key deliverables:



#### Repositioning our assets into a value maximising portfolio

- Positioned in the first half of the cost curve
- At least 70% mechanised mining
- More highly skilled work force
- Safer operations
- Less complex organisation
- 2

**Extracting the full value from our operations –** ensuring we optimise each of our assets to their potential

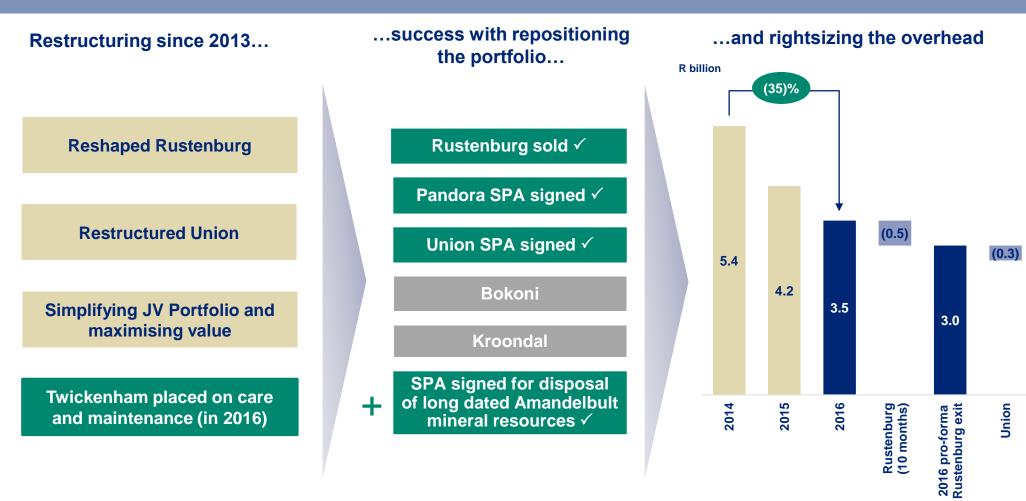


#### Developing the market for PGMs and positioning for the future

- Market development focus on creating incremental demand for PGMs
- Innovation focus on unlocking value through modernisation in mining and processing technology
- **People and Communities** investing in building relationships to create a sustainable and productive environment in which we operate

## REPOSITIONING THE PORTFOLIO

Restructuring largely complete...repositioning of the portfolio progressing...



## SALE OF UNION MINE & MASA CHROME

Another strategic success in the repositioning strategy...with R400m upfront consideration...

#### **Strategic Rationale**

- As announced in 2013, the Union mine is a non-core operation
- Significant effort was made to make the mine profitable including:
  - Closing unprofitable production areas by consolidating two mines into one and closing declines
  - Undertaking restructuring to reduce the labour force by ~1,000 employees
- Created a sustainable operation, with improved cost position and cash generation
- However, the retained portfolio has better capital investment options so the mine remains non-core

#### Terms of the Transaction

- A subsidiary of Siyanda will purchase the mine from AAP for R400 million cash upfront consideration
- In addition, AAP will participate in 35% of positive cumulative distributable free cash flow for 10 years
- Purchase of concentrate agreement for 7 years and thereafter tolling arrangement for 4E metals for the life of mine
- Conditions precedent include Competition Commission approval and Section 11 approval from the DMR



## **OUTLOOK**

## CHRIS GRIFFITH, CHIEF EXECUTIVE OFFICER



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## **KEY MESSAGES & 2017 OUTLOOK**

Summary of a successful 2016...

#### **Key messages**

- Strong operational performance up 2%
- Unit cost increase of only 1.4%
- R3.5 billion of free cash flow generated from operations
- Net debt reduced by R5.5 billion to R7.3 billion
- Solid earnings per share of R7.13
- Significant progress in repositioning the portfolio

#### **Guidance for 2017**

- Platinum production between 2.35 2.40 million ounces (own mine production constant at c. 960,000 ounces)
- Unit cash cost guidance between R20,350 R20,850 / platinum ounce
- Capital expenditure guidance between R3.7 billion R4.2 billion



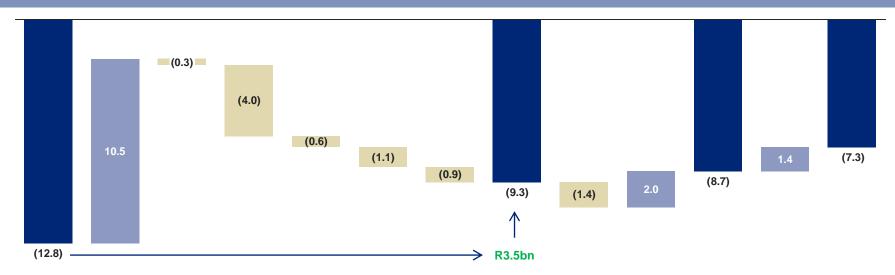
Q&A



## **APPENDICES**

## **NET DEBT AND CASH FLOW BY MINE**

## Stronger Rand basket price...



	Net Debt December		Restructuring		Project		Funding of associates &	Free cash	Net interest	Customer		Rustenburg proceeds after	Net Debt December
Operation	2015	operations	costs	capital	capital	Cash tax paid	other	flow	paid	Prepayment	Net cash flow	costs	2016
Mogalakwena		5,628	2	(2,471)	(35)			3,125					
Amandelbult		1,449	(17)	(383)	(39)		113	1,123					
Unki		224	-	(163)	(81)			(20)					
Twickenham		(238)	(65)	(2)	(13)			(318)					
NMT		(142)	-	(20)	(6)			(168)					
Joint Ventures		1,978	(16)	(419)	(76)			1,467					
Associates		604	-	(42)	0		(760)	(198)					
3rd Parties		167	-	(19)	0			148					
Rustenburg		446	(74)	(374)	(350)			(352)					
Union		361	(78)	(59)	0			224					
Company (24)		23	(95)	(95)	(47)	(1,125)	(218)	(1,557)	(1,394)	2,015		1,356	
	(12,769)	10,500	(342)	(4,047)	(648)	(1,125)	(865)	3,473	(1,394)	2,015	4,094	1,356	(7,319)

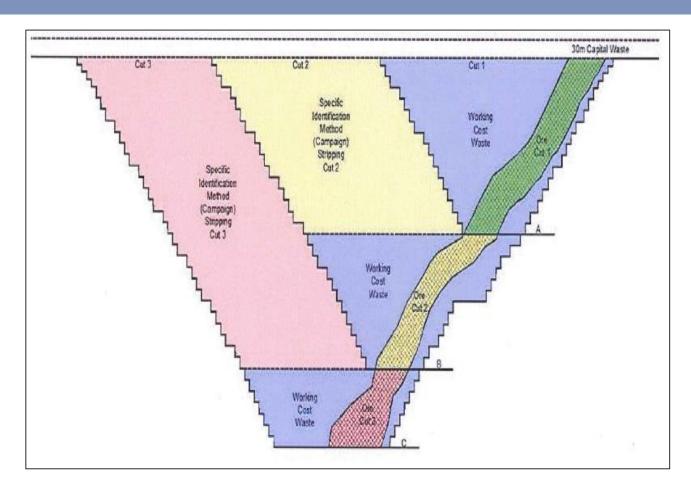
## **COST BREAKDOWN**

	Labour	Contractors	Consumables	Diesel	Electricity	Sundries and Water
Conventional mines	60%	5%	17%	1%	7%	10%
Mechanised mines	40%	25%	20%	4%	4%	7%
Open pit	18%	4%	43%	10%	12%	12%
Company	40%	6%	24%	3%	12%	15%
Company ex Rtb	37%	5%	26%	3%	13%	16%

- Non ZAR 10% of total costs
  - 100% at Unki
  - Circa 25% at Mogalakwena

## **MOGALAKWENA WASTE STRIPPING**

Waste stripping at Mogalakwena will continue...tonnes mined will remain the same...



- Waste Stripping is the process of removing mine waste material (overburden) in order to gain access to ore deposit
- Waste stripping in the production phase, which provides improved access to ore, is recognised as a stripping asset i.e. capitalised
- This stripping asset is depreciated on a unit of production basis over the life of the orebody to which it improves access.
  Ongoing operational stripping is expensed as incurred
- The annual waste stripping tonnes are determined based on the mining plan and the extraction strategy, this can change during any financial year and as a result will impact the capital tonnes mined
- Capitalise to extent that it provides access to future ore (incl. pre-production)

## PLATINUM MARKET – AUTOMOTIVE

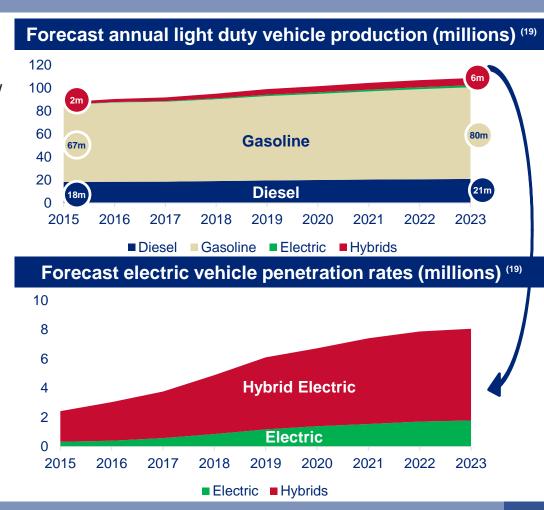
Trend towards greater electrification of the drivetrain will continue...

#### Automotive market expected to grow

- Internal combustion engine market expected to grow despite lower market share in the future
- PGM demand forecast to be robust over this timescale
- China offering subsidies for electric vehicles

#### **Electrification will increase**

- Alternative powertrain penetration forecast to be 8% by 2023
- Hybrid electric vehicles will account for the majority of electric drive trains
- Hybrid electric vehicles contain similar amounts of platinum group metals to conventional vehicles



## ANNOUNCED SALE AND PURCHASE AGREEMENTS

Major milestones completed in the restructuring of the portfolio...

#### Sale of 42.5% stake in the Pandora joint venture

- Signed a sale and purchase agreement to dispose of a 42.5% stake in Pandora mine to JV partner Lonmin plc on 10 November 2016
- Proceeds made up of:
  - Deferred payment of R400 million in nominal terms over 6 years; and
  - Full use and operational control of Baobab concentrator for a 3 year period, unlocking further potential at Mogalakwena mine through guaranteed increased processing capacity
- Allow AAP to integrate the Baobab operation into supply chain activities, resulting in cost reduction opportunities
- Anticipated completion in 2017

#### Sale of resources within Amandelbult mining right

- On 11 October announced disposal of mineral resources within the Amandelbult mining right and surface properties to Northam
- Consideration comprising R1 billion cash and an ancillary mineral resource within Northam's Zondereinde mining right, bordering Amandelbult
- The transaction will allow realisation of value for resources that were not in the mine plan, contributing to deleveraging the balance sheet
- In addition, the mineral resource acquired provides further flexibility for the placement of future infrastructure of next generation replacement
- Anticipated completion in 2017

## **FOOTNOTES**

- (1) Unit cost on a produced metal in concentrate basis
- (2) Lost time in jury frequency rate (LTIFR) based per 200,000 hours worked
- (3) TRCFR is total recordable case frequency rate
- (4) 2014 LTIFR normalised for the 5 month long strike
- (5) Total platinum production is on a metal in concentrate basis
- (6) Cash operating margin is defined as (revenue less cash operating costs) / revenue
- (7) Operating free cash flow is defined as free cash flow for operating mines after full overhead allocation, SIB capex, capitalised waste stripping and minorities. It is presented before project capex and one-off restructuring costs
- (8) Impairment and IFRS2 includes impairments for Bokoni and IFRS2 charge for Amandelbult Chrome Plant
- (9) EBIT is Earnings before interest and tax including pre-tax profits and losses from associates normalised for impairments
- (10) Project and SIB capital expenditure excludes Capitalised waste stripping and Interest capitalised. 2016 capital excludes Rustenburg for November and December 2016
- (11) Price variance calculated as increase/(decrease) in Dollar price multiplied by current period sales volume
- (12) Inflation variance calculated using CPI on prior period cash operating costs that have been impacted directly by inflation
- (13) Sales volume variance calculated as increase/(decrease) in sales volume multiplied by prior period cash margin
- (14) Costs include cash operating costs, inventory movements and depreciation
- (15) AAP Mining inflation is CPI and inflation above CPI as experienced by AAP based on its basket of costs
- (16) Capital expenditure excludes capitalised waste stripping and Interest capitalised
- (17) Rustenburg disposal proceeds offset by transaction costs
- (18) Johnson Matthey data as of PGM Market Report November 2016
- (19) Source: LMC Automotive
- (20) Headline demand as measured by Johnson Matthey. Consumer demand based on Company estimates
- (21) Source: Johnson Matthey, World Gold Council, Platinum Guild International
- (22) ETF publically available data
- (23) Johnson Matthey data as of PGM Market Report November 2016 & November 2015
- (24) Company costs includes mainly marketing expenses, Corporate SIB expenditure and Twickenham new mining technology