# RBPlat - Status of the Platinum Industry

GMP African Mining Jamboree 2<sup>nd</sup> February 2013





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## Presentation outline



- Overview of Royal Bafokeng Platinum
- Status of the Platinum industry
- RBPlat strategy
- Concluding remarks

### Overview of RBPlat



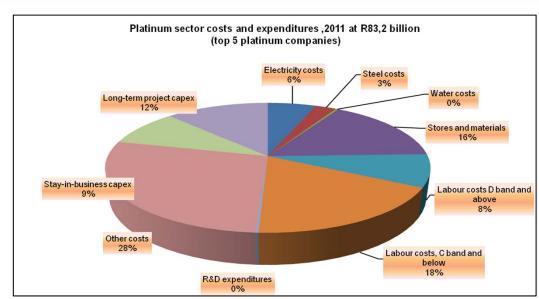
- Black-owned and controlled, mid-tier PGM producer
- Assets located on Western Limb of Bushveld Complex, South Africa
- 67% interest in Bafokeng Rasimone Platinum Mine JV (BRPM), unincorporated JV with Anglo American Platinum
  - BRPM mine (operating since 1998), Styldrift I project (production to commence in 2015)
  - assumed managerial & operational control in January 2010
  - Shallow Merensky biased producer approx. 280koz of 4E PGM metals in concentrate pa.
  - 6,744 working cost employees (including contractors)
  - 4E resource base of 74 Moz (54.3 Moz, measured and indicated), +60 year life-of-mine
- Experienced management team, with clear focus and operational flexibility
- Experienced and independent board
- JSE listed: Market cap of R9.5 billion (\$1.05 billion) 30 January 2013
- Constituent of the JSE SRI Index

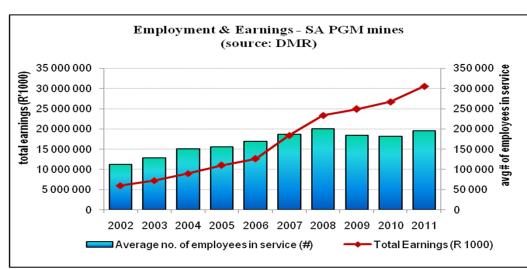
## Status of the Platinum industry



#### Key Stats - annual ave. (2007 - 2011)

- Platinum is the largest component of the SA mining sector
  - 5.5% of GDP (27.6% mining GDP)
  - GDP contribution R28 billion
  - 9.9% of merchandise exports
- Employs ca190 000 people R25 billion in wages
  - Employment flat since 2007/08
  - Average wage per employee R129,890
- Capital spend (top 5) R15 billion
- SLP related expenditure amounting R310 million per annum





**Source :** Chamber of Mines – 21 January RSA PGM Mining Sector Briefing Note

## Status of the Platinum industry.....continued



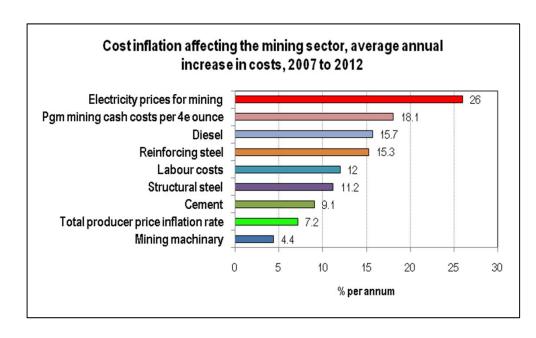
#### **Declining productivity**

- 40% reduction in head grade from 2000
  - Merensky depletion
  - UG2 biased production lower Pt yield
  - Productivity (Pt-kg's/employee) \$\blue{\$\\$}\$38%
- Industrial action

#### Cost pressures

- Double digit mining inflation Cash cost/4Eoz
  18.1% YoY (2007 2012)
  - Labour
  - Electricity
  - Steel
- 59% of industry loss-making at \$1600/Pt oz
  - Sustaining capital cut
  - Long term capital reviews and suspensions

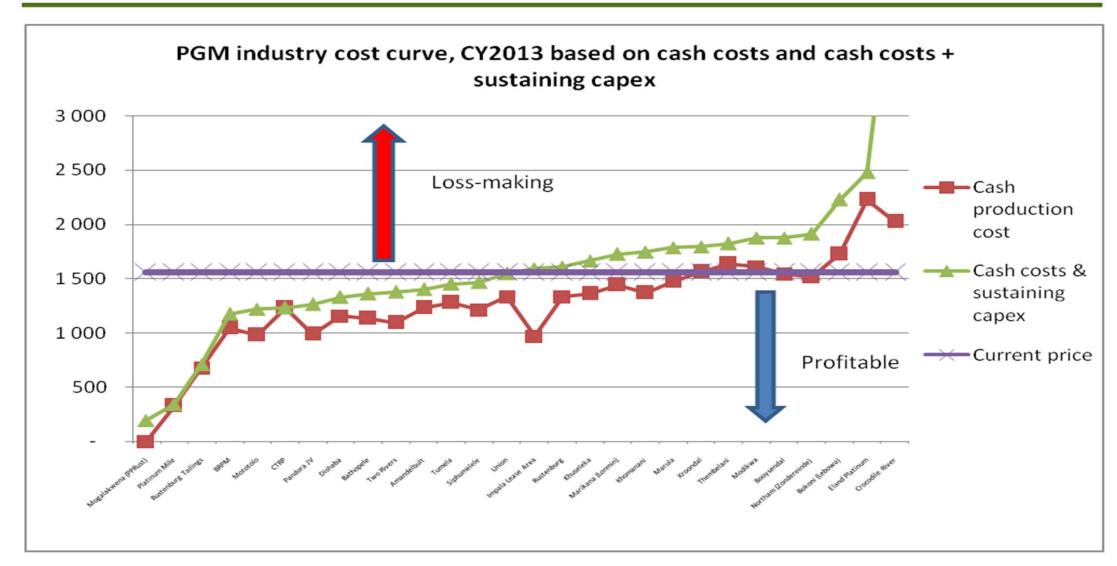




Source: Chamber of Mines - 21 January RSA PGM Mining Sector Briefing Note

## Increasing cost pressures





Source: Chamber of Mines - 21 January RSA PGM Mining Sector Briefing Note (JP Morgan - Cazenove)

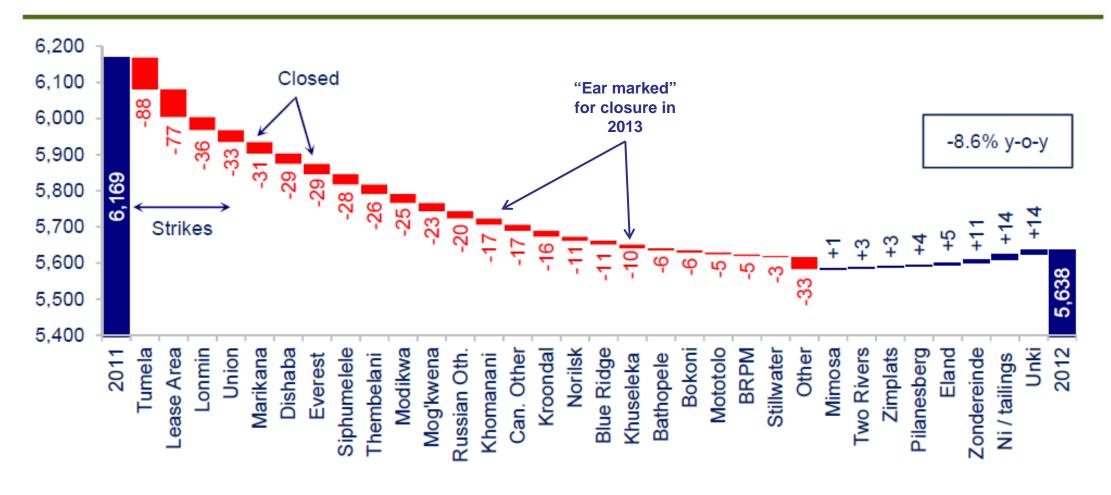
## Recent events in the Platinum industry



- Industry wide strike action during 2012
- Closure of Marikana, Everest and Smokey Hills
- Anglo American Platinum announcement of closure of four shafts
  - ca14 000 jobs at risk
- Uncertain policy framework
  - Windfall tax
  - Mining Charter compliance 2014
  - State participation in mining industry
- Africa is a direct competitor for mineral investment
  - Limited investment in new platinum projects
- Technical skills dearth
  - Training
  - Europe, Canada and Australia have become direct competitors for technical skills

## Reduced global Platinum production (2011-2012)





Source: SFA Oxford

## Infrastructure and logistics



- Power will have substantial implications on the future competitiveness of SA
  - Cost
  - Supply
- Water is becoming a scare resource
  - Cost
  - Supply water treatment plants
- Housing and living conditions
- Rail and road links
  - Trucking does not carry its fair share of costs
  - Damage to road infrastructure is a significant cost
  - Carbon Footprint relative to rail for long distance is high
  - Roadworthiness and Congestion are daily impacts
  - Increasing the costs of trucking will make rail more competitive

## Future supply and demand



#### SUPPLY IMPACTS

- Double digit cost inflation
- Unresolved socio-economic dynamics
  - leading to strike action
- Safety related adjustments to mining methods

#### **DEMAND IMPACTS**

- High dollar prices will mobilise recycling
- New ETF's in Hong Kong and North America
- Automaker restructuring
- Long contracts sit tight



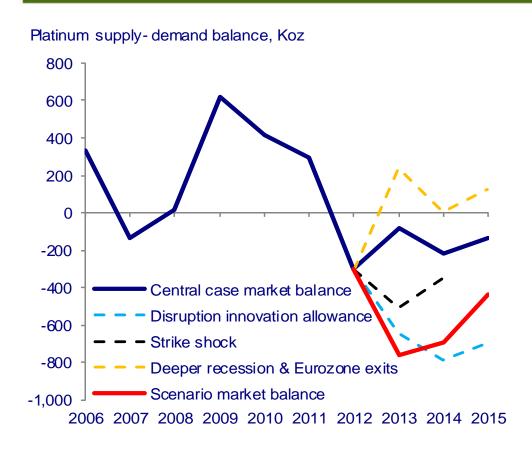
R/\$ exchange rate

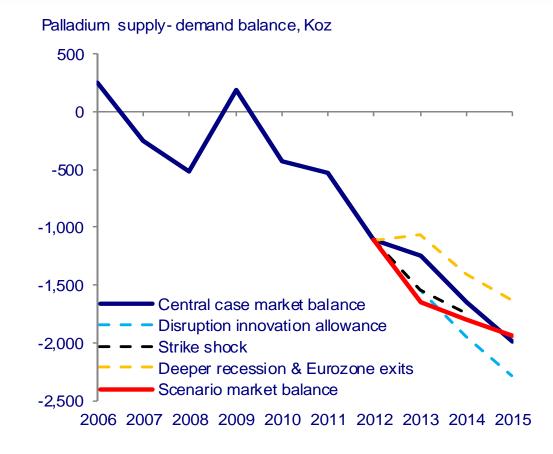


2013 Market deficit of 80 - 760 koz (Pt)

## Market forecast





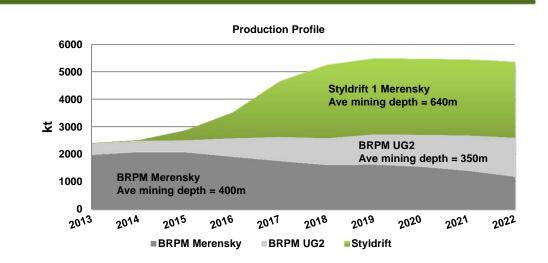


Source : SFA (Oxford)

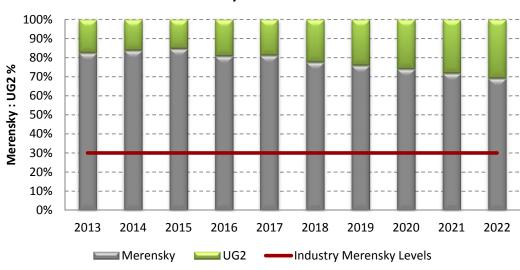
## RBPlat strategy



- Deliver on More than Mining promise
  - Community development through local partnerships
  - Maintain relationships with DMR and Government
- World class producing infrastructure
  - Maintain high Merensky: UG2 ratios
  - Use UG2 for flexibility
- Ensure access to key infrastructure
  - Secured power
  - Reduce reliance on potable water
- Achieve operational excellence at BRPM (optimising volumes and reducing costs)
  - Styldrift 1 expansion
  - BRPM cost reduction and operational flexibility
- Become BEE partner of choice
  - Mining Charter compliance key in 2014
- Bring Styldrift II Merensky forward as an expansion project



#### RBPlat Merensky: UG2 Ratio 2013 - 2022



# Styldrift I



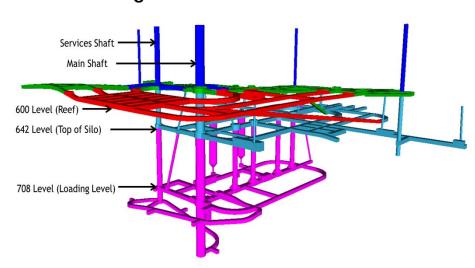
#### Description

- 230 ktpm Merensky mine and concentrator
  - Dual shaft access: main shaft, services shaft
  - Mechanised mining bord & pillar (shallow dip 4-6°)
  - Average mining depth 640m
- Will increase BRPM JV PGM output in excess of 600koz (4E)
- Steady state operating cost R687/t
- 36 month ramp-up commencing July 2015

#### **Project Progress**

- Project on schedule 34% complete
- Operational management team in place
- Shaft sinking operations progressing well
  - Merensky reef intersection 15 August (600 L)
  - Initial 600 L station establishment completed
  - Main and service shafts have reached the 642L (top of silo) position

#### Underground infrastructure view



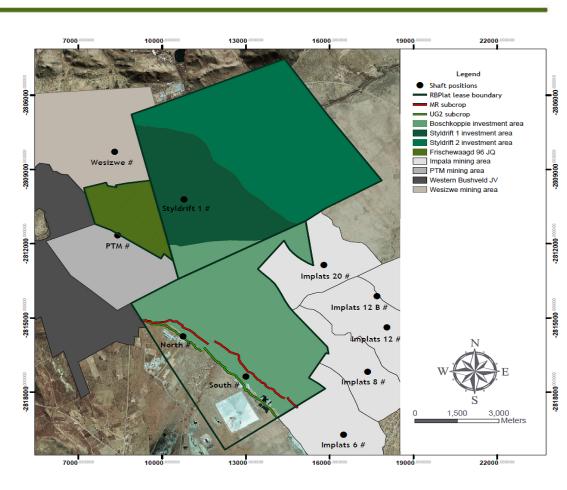
#### **Project expenditure (Q3 2012)**

- Committed = R2.21 billion
- Expenditure = R1.71 billion
- R 323 million savings accrued to date
- Estimate at completion R11.48 billion (Budget R11.8 billion)

## RBPlat is uniquely positioned

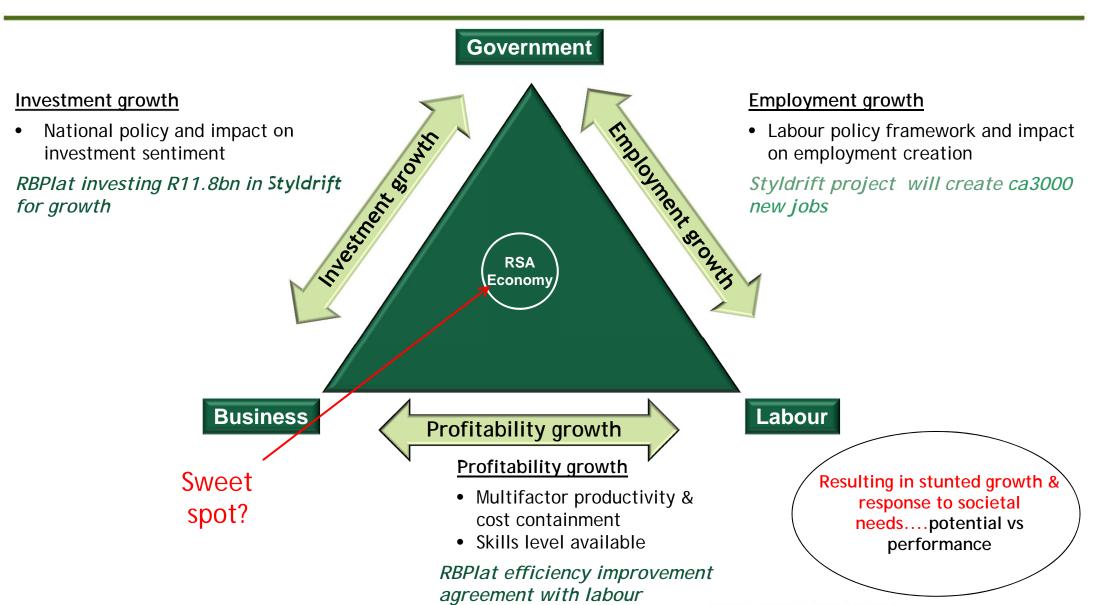


- Excellent credentials for doing business in SA
- Well positioned for leveraging regional synergies
- Has high quality assets
  - Large, shallow, high grade Merensky resource
  - Favourable PGM prill split
- Has a proven management team
- Is pursuing an active sustainable growth path
  - Styldrift I expansion double PGM output by 2018
  - Long-term Merensky biased production
  - Styldrift II study program
- Actively engaging with :
  - Local communities
  - Government and DMR
  - Organised labour



## Conclusion - Shared growth the way forward





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