

## **Overview of Major Projects**

## 26 May 2006

## PE HARMONY"

#### PRIVATE SECURITIES LITIGATION REFORM ACT SAFE HARBOR STATEMENT

This presentation contains "forward-looking statements" within the meaning of Section 27A of the Securities Act of 1933, as amended, and 21E of the Securities Exchange Act of 1934, as amended, that are intended to be covered by the safe harbour created by such sections. All statements other than those of historical facts included in this presentation are forward-looking statements including, without limitation, (i) estimates of future earnings, and the sensitivity of earnings to the gold and other metals prices; (ii) estimates of future gold and other metals production and sales, (iii) estimates of future cash costs; (iv) estimates of future cash flows, and the sensitivity of cash flows to the gold and other metals prices; (v) statements regarding future debt repayments; (vi) estimates of future capital expenditures; (vii) estimates of reserves, and statements regarding future exploration results and the replacement of reserves; and (viii) statements regarding modifications to the Company's hedge position. Where the Company expresses or implies an expectation or belief as to future events or results, such expectation or belief is expressed in good faith and believed to have a reasonable basis. However, forwardlooking statements are subject to risks, uncertainties and other factors, which could cause actual results to differ materially from future results expressed, projected or implied by such forwardlooking statements. Such risks include, but are not limited to, gold and other metals price volatility, currency fluctuations, increased production costs and variances in ore grade or recovery rates from those assumed in mining plans, as well as political and operational risks in the countries in which we operate and governmental regulation and judicial outcomes. For a more detailed discussion of such risks and other factors, see the Company's Annual Report on Form 20-F for the year ended June 30, 2002, which is on file with the Securities and Exchange Commission, as well as the Company's other SEC filings. The Company does not undertake any obligation to release publicly any revisions to any "forward-looking statement" to reflect events or circumstances after the date of this presentation, or to reflect the occurrence of unanticipated events, except as may be required under applicable securities laws.



## **Doornkop South Reef Project**

## Doornkop Major Milestones

#### **Major Milestones Completed**

- Main shaft bottom cleared below 132 level
- Main shaft raise bored to 192 level
- •1st Blast main shaft sinking from below 132 level
- •Dual sinking process completed

#### **Major Future Milestones**

- Service Winder commissioning on Sub Shaft
- Shaft bottom excavated to 45m below 212 level
- Main shaft sunk to 192 level
- Rock Winder commissioned
- Main shaft equipped and commissioned

•Full production

#### Date

- August 2004
- March 2005
- July 2005
- April 2006

- End May 2006
- End July 2006
- Mid October 2006
- End June 2007
- End Feb 2007
- Nov 2008



## Doornkop Key Indicators

• LOM	13 Years
-------	----------

Annual production at full capacity

• Employees	3 579
Ounces	325 430
<ul> <li>Kilograms Produced</li> </ul>	10 122
• Tons Milled	1 562 000
Recovery Grade	6.48g/t
Capital Expenditure (Real)	R 880m
Cash Cost (Ave at full capacity)	\$306/oz
Cash Cost (Ave at full capacity)	R 415/t

- At R100 000/kg NPV(7.5%) R 528m
- At R110 000/kg NPV(7.5%) R 753m
- At R120 000/kg NPV(7.5%) R 978m



## **Elandsrand Deepening Project**

## Elandsrand

### **Major Milestones**

Major Milestones Completed	<u>Date</u>	-
•102 Level on reef (102 – 34 X/cut)	•May 2002	
<ul> <li>102 Level first raise completed</li> </ul>	•Jul 2003	
•102 Level ledging commences	•Oct 2003	
•105 Level on reef (105 – 33 X/cut)	•May 2004	
<ul> <li>105 Level first raise completed</li> </ul>	•Mar 2005	
<ul> <li>105 Level hedging commences</li> </ul>	•Nov 2005	
Major Future Milestones		
•109 Level on reef (109 – 33 X/cut)	•Mar 2007	
<ul> <li>109 Level first raise complete</li> </ul>	•Aug 2007	
•109 Level ledging commences	•Oct 2007	
•113 Level on reef (113 – 33 X/cut)	•Dec 2007	
•113 Level first raise complete	•Jul 2008	
<ul> <li>113 Level ledging commences</li> </ul>	•Aug 2008	

## Elandsrand Key Indicators

•	LOM 28 years
•	Annual Production at full capacity
	No of employees     4 474
	Ounces gold 509 461
	Kilograms     15 846
	• Tons milled 1 774 000
	Recovered grade     8.93 g/ton
•	Capital (Real) R 761 m
•	Cash cost (Ave at full capacity) 241 \$/oz
•	Cash cost (Ave at full capacity) 450 R/ton
•	At R 100 000/kg NPV (7.5%) R 1 862 m IRR 37.2 %
•	At R 110 000/kg NPV (7.5%) R 2 292 m IRR 41.1 %

• At R 120 000/kg NPV (7.5%) R 2 722 m IRR 44.6 %



## **Orkney 7 shaft**

## Orkney 7 Milestones

Board approval	Jan 06
Man Winder commissioning (6 Shaft)	Mar 06
Dewatering of 6 Shaft to below 26 level	Apr 06
Winder to standard No. 7 Shaft	Apr 06
Future Major milestones	
Service winder commissioning No. 6 Shaft	Jun 06
Empty shaft bottom No. 7 Shaft	Jun 06
Equipping of 17, 20, 23, 26, 29 & 32 levels (Stoping & Dev.)	Jun 06
Equipping & Development to start 36 & 40 levels	Jun 06
Stoping to start 30 – 31/50 Rse2	Mar 07
Stoping 36 level to start	Mar 07
Development completed 36 level (7 O Area)	Nov 08
Stoping start 36 level (7 O Area)	Dec 08
Conveyor 40 to 44 level	Mar 08
Development start 44 level	Apr 08
Stoping start 44 level	Aug 08
Development completed 36 level (VC Area)	Jun 09
Stoping start 36 level (VC Area)	Jul 09

## Orkney 7 Key Indicators

•	LOM 9 Years	
•	Annual production at full capacity	
	Number of employees 704	
	Ounces Gold     68 000	
	Kilograms 2 115	_
	• Tons milled 472 000	
	Recovery grade     4.48g/t	
•	Capital (Real) R89.9 m.	
•	Cash cost – (Ave at full capacity) \$348/oz.	
•	Cash cost – (Ave at full capacity) R326/tm	
•	At R100 000/kg NPV (7.5%) R162.9m IRR = 50.2%	
•	At R110 000/kg NPV (7.5%) R256.2m IRR = 72.4%	

• At R120 000/kg NPV (7.5%) R349.5m IRR = 94.9%



## **Project Phoenix – Phase 1**

#### **GOLD FROM SLIMES DAMS (FREE STATE)**

RE-TREATMENT OF PROFITABLE SLIMES DAMS THROUGH A REDUNDANT, MODIFIED SAAIPLAAS PLANT AT 400kt/m RAISED CAPACITY AND ENVISAGED OPERATING COST R10.54/t



## Phoenix

#### **Milestones**

#### MAJOR MILESTONES COMPLETED

- •Bankable feasibility study
- •Project execution plan
- •Commissioned existing H1 slimes reclamation system @ 60kt/m
- •Secured quality used equipment ex Ergo at 50 % of the cost of new equipment

#### **MAJOR MILESTONES FUTURE**

<ul> <li>Complete H1 equipment installation 200kt/m and commission</li> </ul>	Jul 06
<ul> <li>Complete mini environmental management plan</li> </ul>	Sep 06
<ul> <li>Complete plant modification</li> </ul>	Oct 06
<ul> <li>Complete residue line to Brand D</li> </ul>	Oct 06
•Complete Brand A equipment installation 200kt/m and Commission	Oct 06
<ul> <li>Complete 4<sup>th</sup> thickener reconditioning</li> </ul>	Oct 06
•Total system commissioned	Nov 06

#### Phoenix

## **Key Indicators**

LOM 5 Years	
Annual production at full of	capacity
•Employees	91
•Tons Milled (000's)	4 800
<ul> <li>Kilograms produced</li> </ul>	895
•Ounces produced	28 778
•Recovery Grade	0.186 g/t
•Date at full capacity	Dec 06
•Capital (Real)	35.2 m
•Cash cost - (Ave at full capaci	ity) \$270/oz
•Cash cost - (Ave at full capaci	ity) R10.54/tm
•At R100 000/kg NPV (10%) R	78.4m
•At R110 000/kg NPV (10%) R	100.5m
•At R120 000/kg NPV (10%) R	122.5m



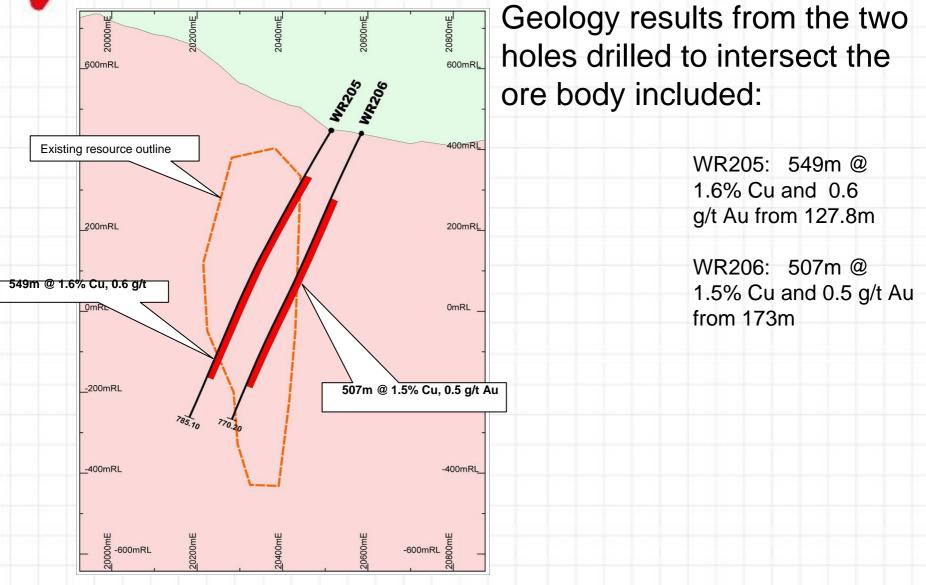
## Wafi Pre-Feasibility Study



### Wafi Update – Golpu Drill Program

- Golpu drilling program was delayed for the first part of 2006 due to late delivery (4 months late) of a new drill rig capable of drilling + 1 000m holes.
- Drill rig is now on site, and combined with the planned mobilisation of a second rig, the Golpu program should be completed on time by July/August 2006.
- 4 holes, totalling 2200m of the 6000m program have been completed. All holes have provided excellent geotechnical, hydrological, and geological data, further proving the robust nature of the ore body.

# Golpu Drilling – Assay Results



## Wafi Update – Other Works

- Engineering firm Aker Kvaerner have been awarded the contract for process and out of mine infrastructure engineering.
- Upgrade of the Wafi access road has been completed, and has already realised reduced helicopter costs.
- Preliminary mining studies on Wafi gold have commenced and are being undertaken by SRK. If successful two Gold projects, NRG1 and Link Zone will pe progressed to pre-feasibility along with Golpu.
- Studies are on track to be completed on time, with Golpu due in Q1 2007, and the gold studies to be completed by mid 2007.



## **Hidden Valley Project**



## Hidden Valley Project overview

#### **Hidden Valley Project**

- The project was presented to the Harmony Board on 3 May 2006 and they have approved the release of funds.
- This approval followed the presentation of the project to the Harmony Investment Review Committee on 24 April 2006. The project successfully passed through gate 3 in the IPA process, however some issues were noted and these will be acted upon by the project team to secure the way forward. They include:
  - Further detailing of an implementation plan
  - Resolution of customs and excise with the PNG Government
  - Resolution of the power supply issues with PNG Power
  - Resolution of the conveyor options into a single option.
- Work is currently underway to finalize all these issues by mid June.
- The Hidden Valley Project consists of three deposits located approximately 130 kilometres south of the city of Lae in Papua New Guinea.

•

## Hidden Valley Project overview

- The approval is based on 40.5 Million tonnes of mined ore (pit) yielding approximately 2.6 million ounces of gold over a 9.7 year life of mine.
- A Memorandum of Agreement has been concluded with relevant landholders and authorities.
  - The PNG Government approved the Environmental Management Plan on 24 April 2006.
- Harmony is currently appointing an Engineering, Procurement and Construction Management Engineer (EPCM Engineer) to engineer the project and supervise its construction. Contract negotiations with the EPCM Engineer are well advanced.
  - The project will be engineered in Brisbane, Australia which is the nearest city to the project with a technical resource base that can support a project of this size.
  - An all weather permanent access road into the project area has been under construction for some time. Despite recent very heavy rains the road is progressing well and it is anticipated that road access to the mining lease boundary will be achieved by end June 2006.

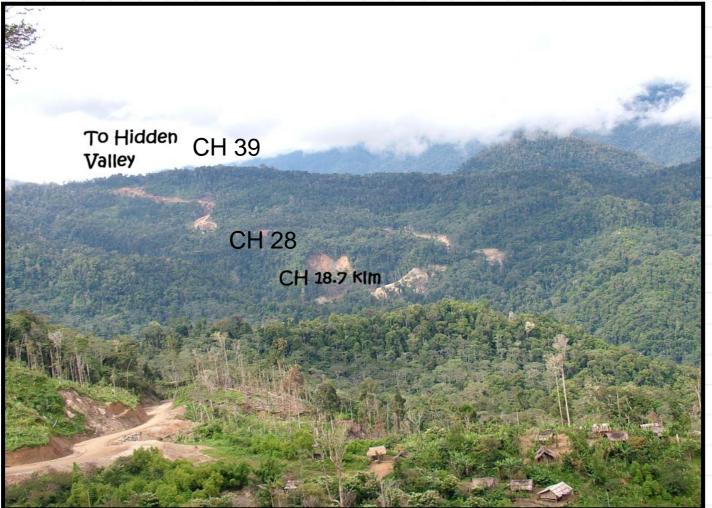


### **Key Indicators**

• LOM 9.7 Years	
Ore tons (000's)	40 513
• Au grade g/t	2.21
<ul> <li>Au ounces (000's) (recovered)</li> </ul>	2 621
• Ag grade g/t	35.74
<ul> <li>Ag ounces (000's) (recovered)</li> </ul>	39 129
• Peak annual production Au and Gold equiv (000	)'s) (ounces) 350
• Capital (US\$)	250m
Average Cash cost /oz (US\$)	229
• NPV (7.5%) US\$ 140m IRR 21%	
- Gold price US\$/oz 500	
- Ag price US\$/oz 7.5	



#### Hidden Valley Project Access Road – April 2006





## Questions

## Website www.harmony.co.za