

# SHANTA GOLD WEST KENYA PROJECT Scoping Study





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## SHANTA GOLD OVERVIEW

East-Africa focused portfolio with compelling growth pipeline

## **NEW LUIKA GOLD MINE**

High grade, low cost gold operation in the under-explored Lupa Gold field in SW Tanzania

Mine Life through to at least 2025 (based on reserves)

Reserves: 410 koz at 3.23 g/t

Resources: 1.1 Moz at 2.64 g/t

2020 Production Guidance: 80-85 koz

2020 AISC Guidance: US\$830-880/oz 4

## WEST KENYA PROJECT

Highly prospective gold project in the Lake Victoria gold field

US\$63 m invested since 2010

Resources: 1.18 Moz at 12.6 g/t

Scoping study in place; Infill drilling to begin in Q4 2020

LOM Avg Production: 105 koz

LOM Avg AISC: US\$681/oz

## SINGIDA PROJECT

Open pit gold project in prospective greenstone belt in Central Tanzania

Reserves: 243 koz at 3.00 g/t (Est. 7 Year Mine Life)

Resources: 0.90 Moz at 2.38 g/t

LOM Avg Production: 32 koz

LOM Avg AISC: US\$869/oz

Summary Capitalisation <sup>1</sup>		
Share Price (GBP)	19.0p	
<b>Market Capitalisation</b>	US\$210 m	
Net Debt / (Net Cash) <sup>2</sup>	(US\$2 m)	
Enterprise Value	US\$208 m	

Top Shareholders <sup>3</sup>	
Odey Asset Management	
Board & Management	
Sustainable Capital	
Barrick Gold	
Majedie Investments	

**KENYA** 

Nairobi

Dar es Salaam

WEST KENYA PROJECT

**SINGIDA PROJECT** 

**TANZANIA** 

NEW LUIKA GOLD MINE

Summary Capitalisation <sup>1</sup>		
Share Price (GBP)	19.0p	
<b>Market Capitalisation</b>	US\$210 m	
Net Debt / (Net Cash) <sup>2</sup>	(US\$2 m)	
<b>Enterprise Value</b>	US\$208 m	

Includes liquidity available from 1,425 oz in transit to the refinery at 30 June 2020 and prior to US\$6.5 million cash payment made to Barrick on 19 August 2020

As of 25 August 2020.

Excludes underground development capex



17.7%

8.7%

6.5%

6.4%

3.1%

SHANTA GOLD





## WEST KENYA GOLD PROJECT - OVERVIEW

Shanta is one of the lowest cost practitioners of Long Hole Open Stoping underground mining, the expected mining method for the West Kenya Project



## **HIGH QUALITY ASSET**

- Acquisition of a high-quality gold project with high grade gold resource
- Inferred NI 43-101 resource of 1,182,000 ounces gold grading 12.6 g/t

## LONG TERM EXPLORATION POTENTIAL

- Major presence in a geologically rich and underexplored greenstone gold region
- Within the globally recognised Lake Victoria gold fields, home to Global Tier 1 assets North Mara and Geita Gold Mine



#### DIVERSIFICATION

- Expands Shanta's operating presence in East Africa across Tanzania and
- Underground mining specialist with a diversified portfolio of assets delivering growth



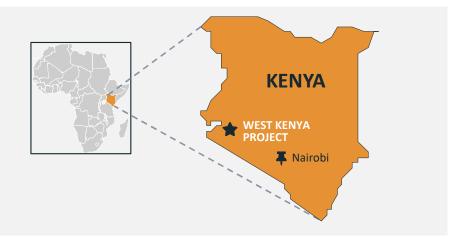
## **GROWTH**

Increases Shanta's gold resource inventory to over 3 Moz contained gold with the prospect of future growth



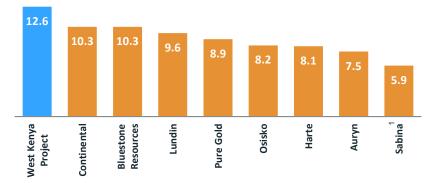
## **COMPLEMENTARY ASSET**

- Depth of skills and experience in Long Hole Open Stoping at New Luika to complement the West Kenya project team based in Kisumu, Kenya
- Complementary language and legal systems between Tanzania and Kenya based on English law



## WEST KENYA GRADE BENCHMARKING <sup>2</sup>

West Kenya Project Has An Inferred Resource Grade Of 12.6 G/T



Sources: Cornorate disclosure as of 1 September 2019

- 1. Sabina grades represent Black River Project
- 2. All grades are Measured & Indicated (JORC, NI 43-101) other than West Kenya which is Inferred (NI 43-101)



SHANTA GOLD



# **WEST KENYA - PROJECT HIGHLIGHTS**

# Resource expansion at West Kenya would result in significant upside to the NPV

## **ROBUST FUNDAMENTALS**

**Exceptional grades** 

NPV on existing resource only

Initial Life of Mine ("LOM")

TRANSFORMATIONAL ECONOMICS<sup>1</sup>

1,182,000 oz

Gold Resource (NI 43-101)

Inferred NI 43-101 Mineral Resource Estimate spanning two significant deposits (Isulu and Bushiangala)

12.6g/t

Believed to be one of the highest grading +1 Moz gold deposits in Africa \$340m NPV

NPV calculated using LOM gold price of US\$1,700/oz and 8% discount rate 9 yrs LOM

Several value levers available to extend LOM and Project NPV. Secures Shanta's presence across East Africa in the long-term

Highly prospective ground

1,161 km<sup>2</sup>

Within the Lake Victoria gold fields located in NW Tanzania and SW Kenya, home to Global Tier 1 assets including North Mara and Geita Gold Mine

**Historical investment** 

\$63m

Investment in exploration activities since 2010 includes 221,000 metres of drilling and 80,000 soil samples

**LOM EBITDA** 

**US\$1bn** +

Projected return on investment has the potential to be exceptional for shareholders

**LOM AISC** 

US\$681 /oz

Shanta's experience of tight cost control expected to feed into an efficiently managed and highly cash generative operation

1. Economics highlights prepared by independent consultant Bara Consulting Pty using a LOM gold price of US\$1,700/oz







# WEST KENYA GOLD PROJECT – 2020 SCOPING STUDY SUMMARY

## PROJECT HIGHLIGHTS

## Using a LOM gold price of US\$1,700 /oz:

- Post-tax NPV<sub>8%</sub> of US\$340 m
- Unlevered IRR of 110%
- Average EBITDA of US\$118 m
- Average annual gold production of 105koz for an initial 9-year mine life
- LOM C1 cash costs of US\$463/oz
- LOM AISC of US\$681/oz
- Estimated pre-production capital cost of US\$161 m

West Kenya Mineral Resource Estimate – May 2018				
	Prospect	Ore (Mt)	Grade (g/t Au)	Contained (koz Au)
Inferred	Isulu	2.5	13.0	1,060
Inferred	Bushiangala	0.4	9.9	122
	Total	2.9	12.6	1,182

West Kenya Economics Summary - Assuming \$1,700/oz Au Price		
Metrics	Units	Results
Mine life	years	9.0
Contained gold mined	koz	1,032
Mill throughput	ktpa	480
Milled tonnes	Mt	3.45
Gold recovery	%	92
Recovered content	koz	949
Recovered grade	g/t	8.56
Gold production	kozpa	105
C1 cash cost	US\$/oz	463
AISC	US\$/oz	681
Pre-production capex	US\$m	161
NPV <sub>8%</sub> (post-tax)	US\$m	340
Unlevered IRR (post-tax)	%	110%
Average annual EBITDA	US\$m	118

West Kenya Economics Summary - Assuming \$1,900/oz Au Price		
Metrics	Units	Results
NPV <sub>8%</sub> (post-tax)	US\$m	425
Unlevered IRR (post-tax)	%	166%
Average annual EBITDA	US\$m	138

Source: Data summarized from internal scoping study, prepared by Bara Consulting





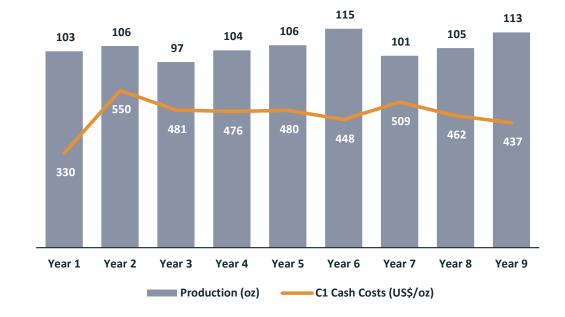


# **WEST KENYA – LIFE OF MINE PLAN SUMMARY**

# A long life, low cost gold producer

LOM OPERATING METRICS	UNITS	RESULTS
LOM (excluding construction)	years	9
Mined tonnes (Underground)	kt	3,086
Mined tonnes (Open pit)	kt	364
Mined tonnes (Total)	kt	3,450
Mined gold content	koz	1,032
Mined grade	g/t	9.30
Mill capacity	ktpa	480
Process recovery	%	92.0
Recovered grade	g/t	8.6
Recovered content	koz	949

## **LOM Projections - Production and C1 Cash Costs**





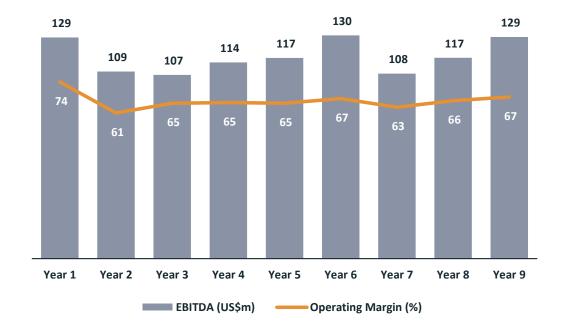


# **WEST KENYA – ECONOMICS SUMMARY**

# $NPV_{8\%}$ (post-tax) of US\$340m at US\$1,700/oz gold price

LOM FINANCIAL METRICS	UNITS	RESULTS
Gold Price	US\$/oz	1,700
Revenue	US\$m	1,614
Operating Cost	US\$m	553
Total Capital Cost	US\$m	266
Free Cashflow (Pre-Tax)	US\$m	795
LOM C1 Cash Cost	US\$/oz	463
LOM AISC	US\$/oz	681
Pre-Tax Project NPV <sub>8</sub>	US\$m	507
Post-Tax Project NPV <sub>8</sub>	US\$m	340
Operating Margin	%	66

## LOM Projections<sup>1</sup> – EBITDA and Operating Margin %<sup>2</sup>



Source: Data summarized from internal scoping study, prepared by Bara Consulting

- Figures prepared using a LOM gold price of US\$1,700 /oz
- 2. Derived as the differential between revenue and C! cash costs, as a proportion of revenue







# WEST KENYA – LOM CAPITAL AND OPERATING COSTS

# High grade, low tonnage allows for small scale plant and infrastructure and lower opex

LOM CAPITAL COSTS	ESTIMATED SPEND (US\$m)
Mining <sup>2</sup>	141
Processing	63
Infrastructure	32
Sustaining Capital	18
Other	12
Total Capital Costs <sup>2</sup>	266

LOM OPERATING COSTS	ESTIMATED SPEND (US\$/tonne)
Mining	87
Processing	30
General and administration	10
Operating Costs	127

Post Tax NPV <sub>8%</sub> Sensitivity (US\$m) <sup>1</sup>			
Variance	Capex	Орех	Revenue
(40%)	412	424	51
(35%)	403	413	87
(30%)	394	403	123
(25%)	385	392	159
(20%)	376	382	195
(15%)	367	371	231
(10%)	358	361	268
(5%)	349	350	304
0%	340	340	340
5%	331	329	376
10%	322	319	412
15%	313	308	448
20%	303	298	484
25%	294	287	520
30%	285	277	556
35%	276	266	592
40%	267	255	628

Gold Price Sensitivity		
Gold Price (US\$/oz)	NPV <sub>8%</sub> (US\$m)	
1,200	127	
1,250	149	
1,300	170	
1,350	191	
1,400	212	
1,450	234	
1,500	255	
1,550	276	
1,600	297	
1,650	318	
1,700	340	
1,750	361	
1,800	382	
1,850	403	
1,900	425	
1,950	446	
2,000	467	

Source: Data summarized from internal scoping study, prepared by Bara Consulting





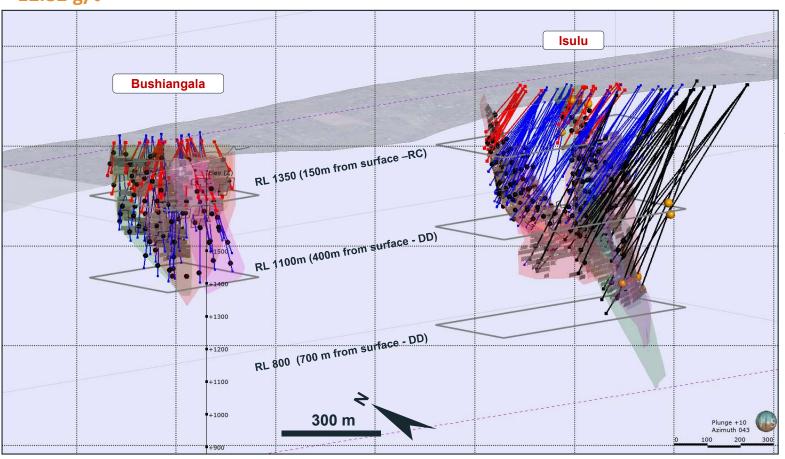
Figures prepared using a LOM gold price of US\$1,700 /oz

Includes US\$87 million of Sustaining Capex over the life of mine for underground development costs



# DRILLING PROGRAMME – 3 PHASES TARGETING BETWEEN 0-700M BELOW SURFACE

Isulu and Bushiangala designed infill drilling targeting the potential for reserves of 786koz @ 12.82 g/t <sup>1</sup>



# **3 Drilling Phases**

- 1. 0-150 meters deep
- 2. 150-400 meters deep
- 3. 400-700 meters deep



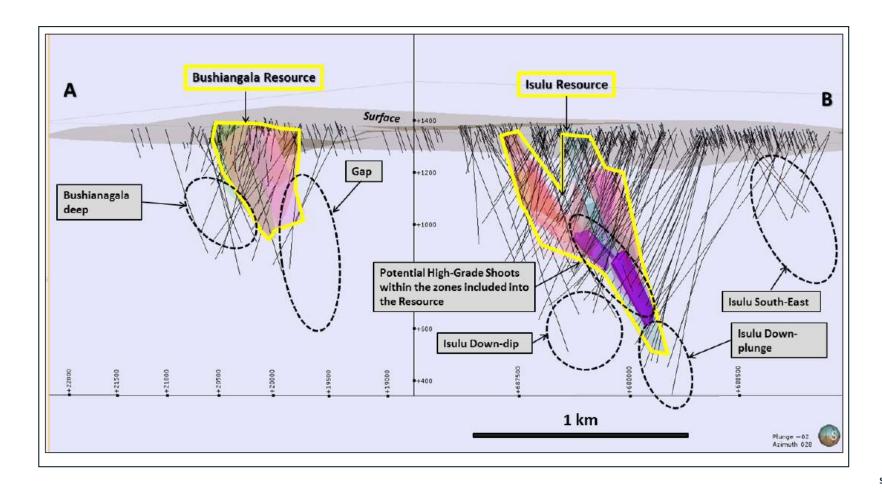






# WEST KENYA - UPSIDE POTENTIAL WITHIN THE EXISTING NI 43-101 RESOURCE

Numerous proximal targets for potential to significantly increase the gold resource





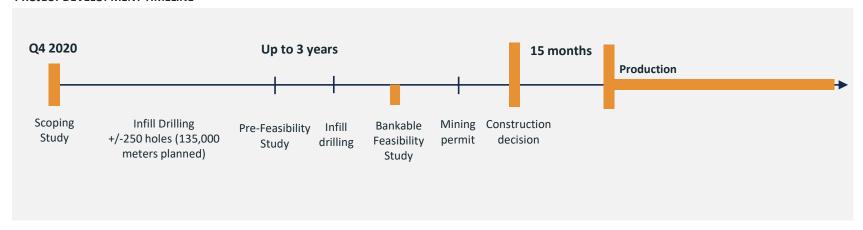




# **WEST KENYA PROJECT – EXPECTED TIMELINE**

# Infill drilling to advance the project to Pre Feasibility

## PROJECT DEVELOPMENT TIMELINE



## **OPPORTUNITIES AND NEXT STEPS**

- Phased infill drilling at Isulu and Bushiangala
- Progress toward Pre-Feasibility including optimization analysis of infrastructure
- Testing of additional targets
  - Extensional drilling of Isulu and Bushiangala deposits
  - Regional exploration within the Liranda corridor
  - District exploration within Kakamega





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