

# OPERATIONS 2018 CONTINUED

## Unisel

		FY18	FY17	FY16
<b>Number of employees</b>				
– Permanent		1 016	1 839	1 817
– Contractors		80	152	128
Total		1 096	1 991	1 945
<b>Operational</b>				
Volumes milled	(000t) (metric)	376	394	424
	(000t) (imperial)	415	436	467
Gold produced	(kg)	1 280	1 595	1 704
	(oz)	41 152	51 280	54 785
Gold sold	(kg)	1 272	1 590	1 705
	(oz)	40 896	51 120	54 817
Grade	(g/t)	3.40	4.05	4.02
	(oz/t)	0.099	0.118	0.117
Productivity	(g/TEC)	70.04	73.56	77.43
<b>Development results</b>				
Total metres		2 921	3 647	3 145
Reef metres		1 325	1 575	1 917
Capital metres		1 028	0	0
<b>Financial</b>				
Revenue	(Rm)	733	915	925
	(US\$m)	57	67	64
Average gold price received	(R/kg)	576 222	575 650	542 487
	(US\$/oz)	1 395	1 317	1 164
Cash operating cost	(Rm)	774	839	754
	(US\$m)	60	62	52
Production profit/(loss)	(Rm)	(38)	77	171
	(US\$m)	(3)	6	12
Capital expenditure	(Rm)	85	78	62
	(US\$m)	7	6	4
Cash operating cost	(R/kg)	604 311	525 732	442 359
	(US\$/oz)	1 463	1 203	949
All-in sustaining cost	(R/kg)	678 436	591 913	496 099
	(US\$/oz)	1 642	1 354	1 064
<b>Safety</b>				
Number of fatalities		0	0	0
Lost-time injury frequency rate per million hours worked		10.86	13.57	9.61
<b>Environment</b>				
Electricity consumption	(GWh)	99	112	112
Water consumption – primary activities	(ML)	488	441	563
Greenhouse gas emissions	(000t CO <sub>2</sub> e)	96	112	113
Intensity data per tonne treated				
– energy		0.26	0.28	0.26
– water		1.30	1.12	1.33
– greenhouse gas emissions		0.26	0.28	0.26
Number of reportable environmental incidents		0	0	0
<b>Community</b>				
Local economic development*	(Rm)	5	5	4
Training and development	(Rm)	19	24	23

## Unisel *continued*

### Other salient features

Status of operation	Mature operation reaching the end of its life of mine. Mining focused on higher grade areas of shaft pillar
Life of mine	2 years
Nameplate hoisting capacity (per month)	63 000 tonnes (69 000 tons)
Compliance and certification	New order mining right – December 2007 ISO 9001

### Mineral reserves as at 30 June 2018

Reserves (metric)	Proved reserves			Probable reserves			Total mineral reserves		
	Tonnes (Mt)	Grade (g/t)	Gold (000kg)	Tonnes (Mt)	Grade (g/t)	Gold (000kg)	Tonnes (Mt)	Grade (g/t)	Gold (000kg)
	0.3	4.89	1	0.1	5.69	0	0.3	5.02	2
Reserves (imperial)	Tons (Mt)	Grade (oz/t)	Gold (000oz)	Tons (Mt)	Grade (oz/t)	Gold (000oz)	Tons (Mt)	Grade (oz/t)	Gold (000oz)
	0.3	0.143	43	0.1	0.166	10	0.4	0.146	53

Unisel is located in the Free State Province, near Virginia, about 270km from Johannesburg. Mining is conducted to a depth of 2 153m below surface. Conventional scattered mining and pillar reclamation take place to primarily access the Basal reef. Ore mined is processed at Harmony One plant.

Unisel is nearing the end of its operating life and is Harmony's oldest operating mine. Mining of the Leader Reef was terminated in the second half of FY18. Unisel's ageing infrastructure presents significant challenges to the mine's operational flexibility and to the maintenance of production. Mining focuses on targeted areas of the shaft pillar and is expected to continue for an estimated two years. Employees and unions receive regular updates on the mine's performance and future plans. Post closure, Harmony will arrange to transfer the Unisel workforce to other operations where positions are available. Portable skills training will be a key focus going forward.

In FY18, Unisel recorded its third consecutive year without a fatality.

Gold production declined by 20% to 1 280kg (41 152oz) in FY18 due to the 16% decrease in underground recovered grade to 3.40g/t (0.099oz/t) and 5% decrease in ore milled to 376 000 tonnes (415 000 tons). The decrease in gold production resulted in a 20% decrease in revenue to R733 million (15% decrease to US\$57 million).

Cash operating costs decreased by 8% to R774 million (decreased by 3% to US\$60 million), mainly due to lower volumes milled following the decision to stop mining of the Leader Reef.

Capital expenditure increased by 9% to R85 million (increased by 17% to US\$7 million) mainly due to capital spent on preparing sections of the pillar to be mined over Unisel's remaining life of mine.