



INVESTING in the future

OPERATIONAL PROFILE 2021

AGA MINERAÇÃO Brazil



AngloGold Ashanti Córrego do Sítio Mineração (AGA Mineração), in the state of Minas Gerais, Brazil, comprises the Cuiabá Complex, the Córrego do Sítio mining operation and the Cuiabá and Queiroz plants.

- **The Cuiabá Complex** comprises the Cuiabá and Lamego underground mines, and the Cuiabá and Queiroz plants. Cuiabá has been in operation for over 30 years and Lamego for 10 years. The Cuiabá mine has changed from cut-and-fill to sub-level stoping, increasing the contribution from narrow-vein orebodies to the mine's total production and improving rock-engineering controls related to support, design and monitoring.

Ore from the Cuiabá and Lamego mines is processed at the Cuiabá gold plant. The concentrate produced is transported by aerial ropeway to the Queiroz plant for processing and refining. Total annual capacity of the complete Cuiabá circuit is 1.75Mt. The Queiroz hydrometallurgical plant also produces around 190,000t of sulphuric acid as a by-product, which is sold commercially in local Brazilian markets.



AGA MINERAÇÃO

- **Córrego do Sítio (CdS)**, in operation since 1989, consists of one open-pit mine and one underground mine. The oxide ore mined is treated by heap leach and a pressure leaching plant treats sulphide ore. The sub-level stoping mining method is used underground. The distance from the main underground mine (Mina I) to the metallurgical plant is around 15km

Combined annual plant capacity is 1.6Mt. Gold produced from both Cuiabá and Córrego do Sítio is refined at the Queiroz plant, 14km from the Cuiabá gold plant

AGA Mineração is currently one of three operations in AngloGold Ashanti's Americas region.

Key performance statistics

AGA Mineração	Units	2021	2020	2019
Operating performance				
Cut-off grade ⁽¹⁾	g/t	0.43 – 3.29	3.06	3.20
Recovered grade	g/t	2.78	2.96	3.49
Tonnes treated/milled	Mt	3.7	3.8	3.2
Gold production	000oz	331	362	362
Total cash costs	\$/oz	858	747	782
All-in sustaining costs	\$/oz	1,519	1,050	1,107
Capital expenditure	\$m	195	103	91
Productivity	oz/TEC	7.75	8.98	9.97
Safety performance				
No. of fatalities		0	0	0
All injury frequency rate (AIFR)	per million hours worked	3.94	4.67	4.75
People				
Total average no. of employees		6,142	5,528	4,885
– Permanent		3,921	3,758	3,517
– Contractors		2,221	1,770	1,368
Environmental performance				
No. of reportable environmental incidents		1	1	0
Water use	ML	7,956	8,063	6,825
Water use efficiency	kL/t	2.14	2.12	2.11
Energy consumption	PJ	2.01	1.98	1.83
Energy intensity	GJ/t	0.54	0.52	0.57
Greenhouse gas (GHG) emissions	000t	77	59	52
GHG emissions intensity	kg CO ₂ e/t	21	16	16
Cyanide use	t	854	969	738
Total rehabilitation liabilities	\$m	56	46	62
Social performance				
Community investment	\$000	324	478	1,512
Payments to government ⁽²⁾	\$m	203	139	109

⁽¹⁾ Based on the Ore Reserve.

⁽²⁾ Total paid to the Brazilian government for AGA Mineração and Serra Grande.