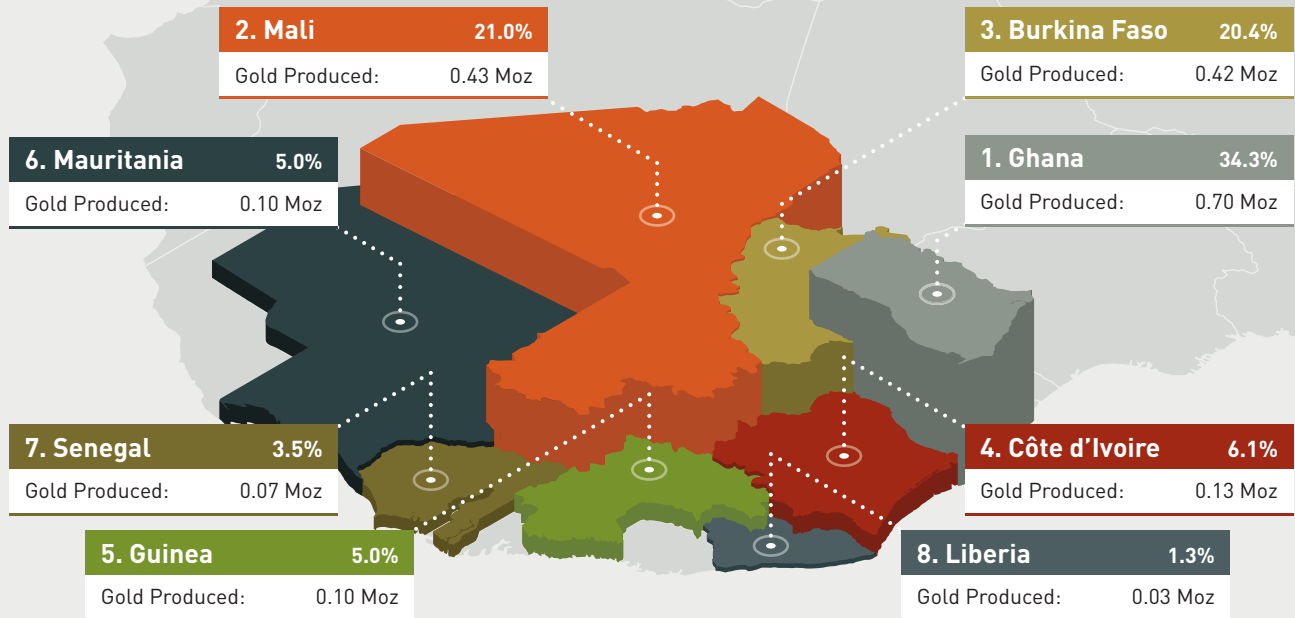


West African Gold Mines

QUARTERLY SUMMARY TO 31 MARCH 2019



WEST AFRICAN GOLD PRODUCTION BY COUNTRY



TOP 5 GOLD MINES BY GOLD PRODUCTION FOR THE QUARTER

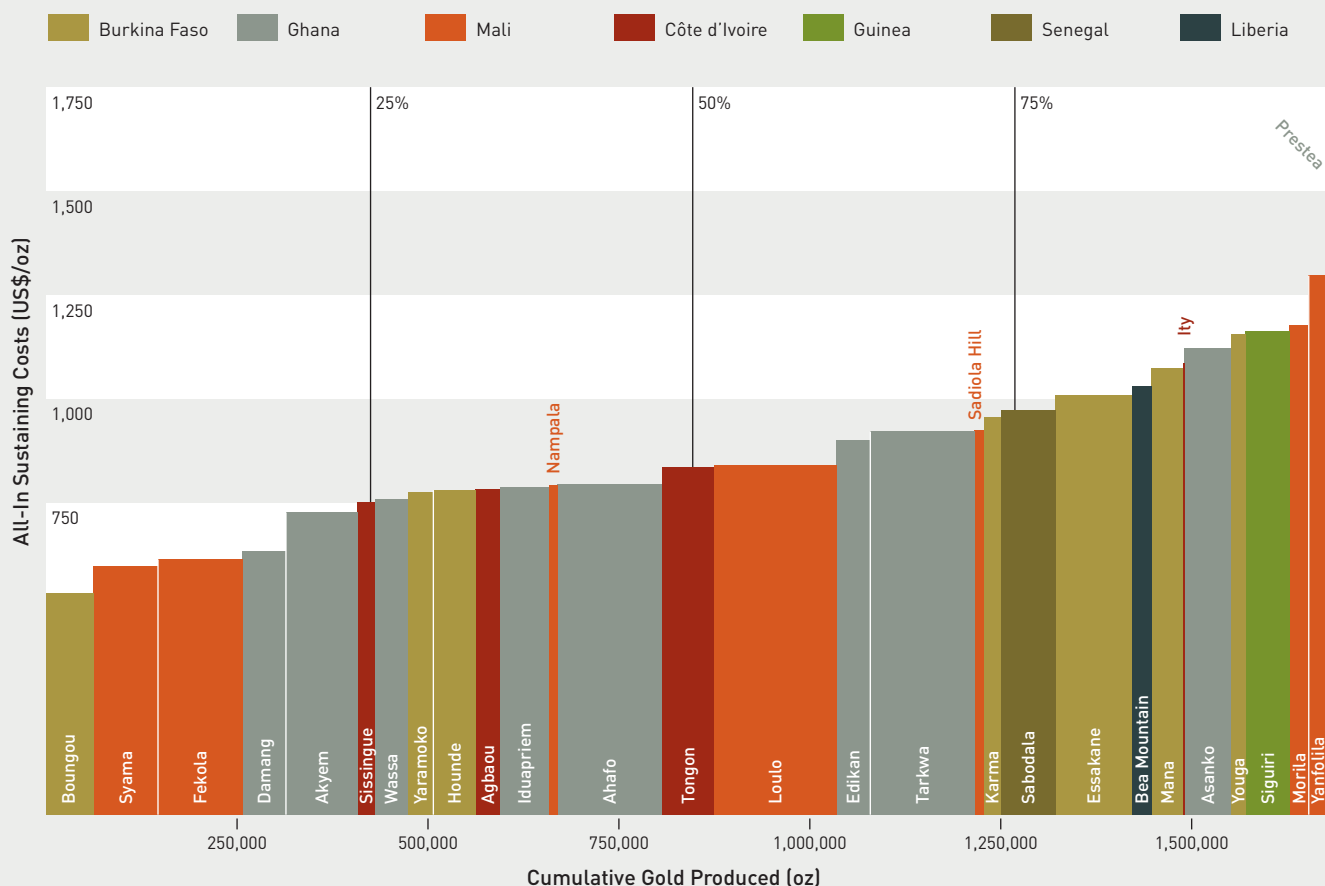
Loulo Mali	160,000 oz
Ahafo Ghana	137,000 oz
Tarkwa Ghana	136,700 oz
Fekola Mali	110,349 oz
Tasiast Mauritania	101,358 oz

West African Gold Mines

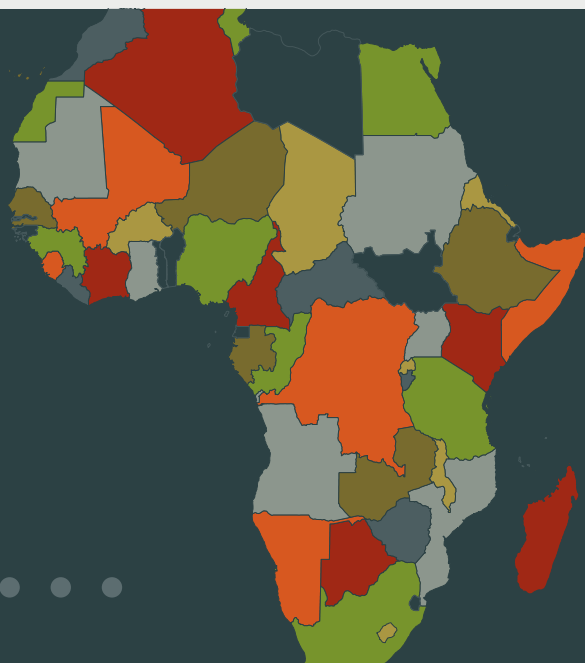
QUARTERLY SUMMARY TO 31 MARCH 2019



GOLD OPERATIONS THAT REPORT ALL-IN SUSTAINING COSTS



Data Sources: Data was sourced from company quarterly reports and S&P Global Market Intelligence. Cost curve created by Aurum Analytics.



CSA GLOBAL
HAS WORKED
ON PROJECTS IN

75%

OF AFRICAN COUNTRIES