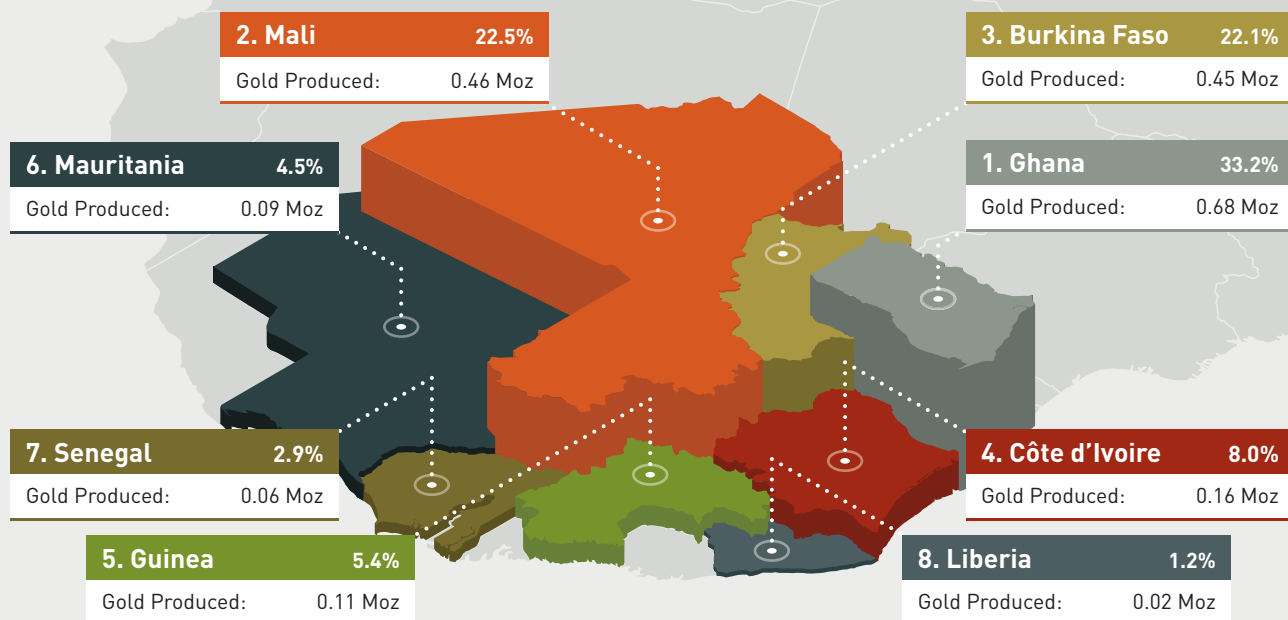


# West African Gold Mines

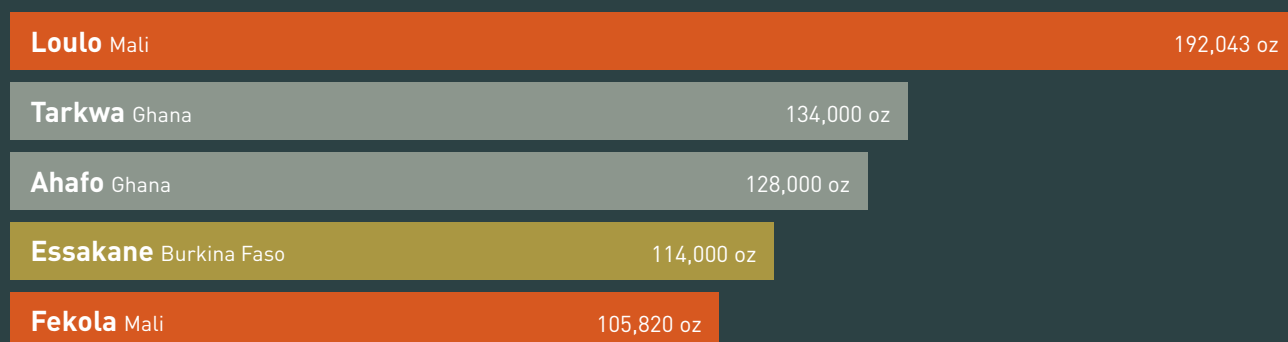
## QUARTERLY SUMMARY TO 31 DECEMBER 2018



### WEST AFRICAN GOLD PRODUCTION BY COUNTRY



### TOP 5 GOLD MINES BY GOLD PRODUCTION FOR THE QUARTER

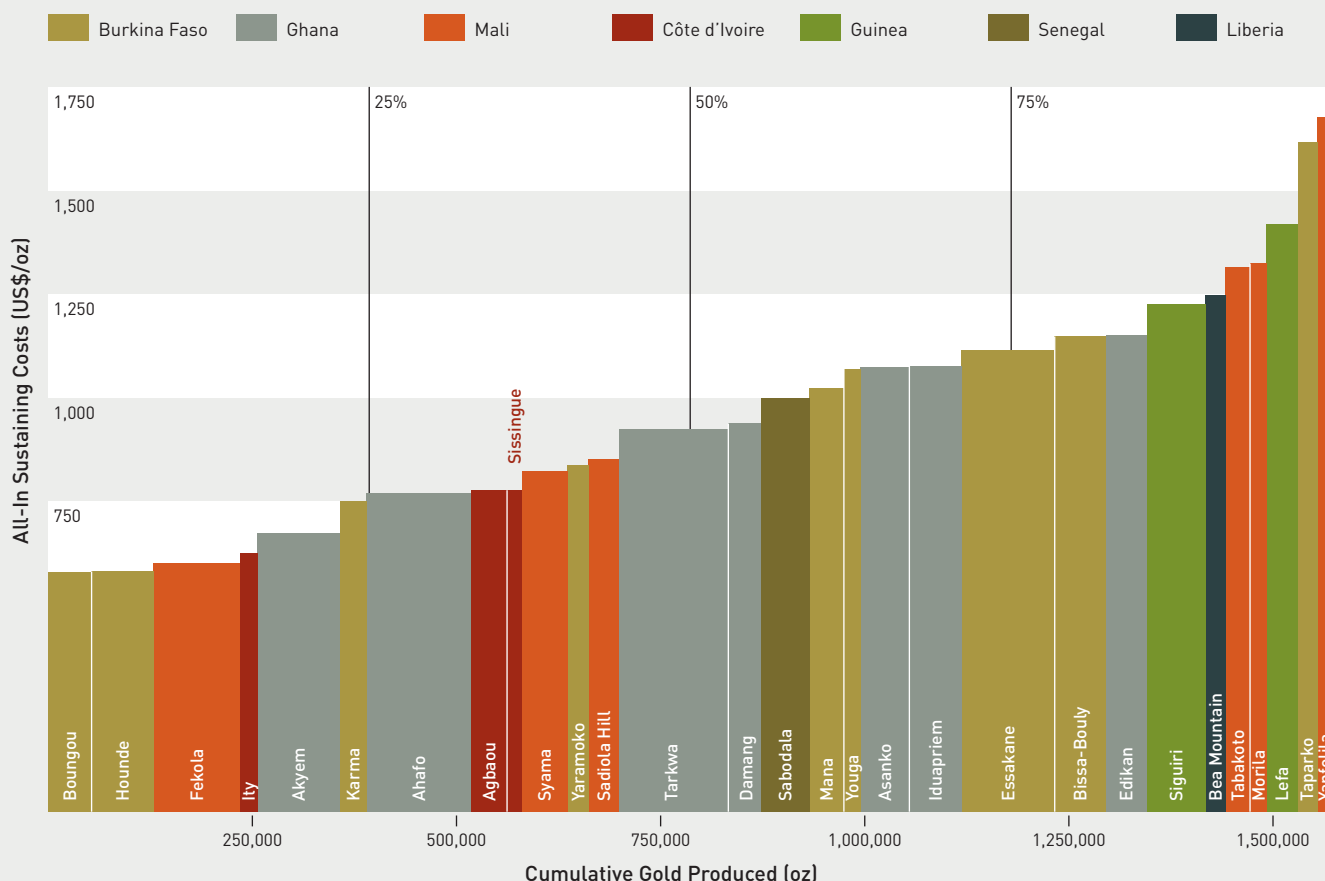


# West African Gold Mines

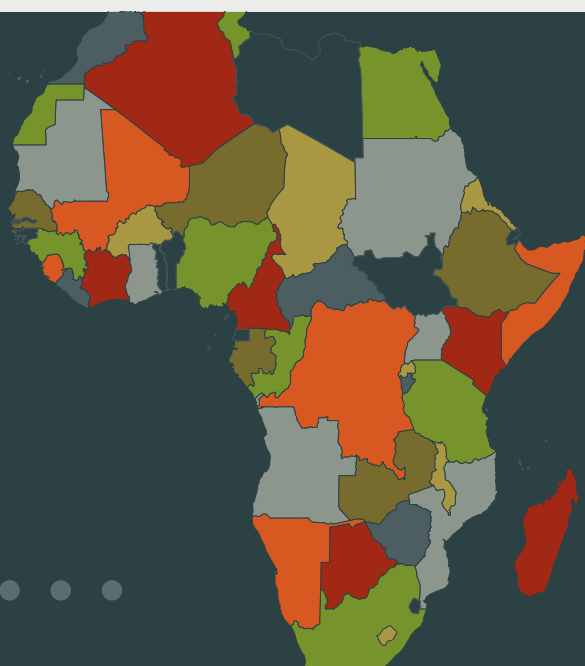
## QUARTERLY SUMMARY TO 31 DECEMBER 2018



### 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