



CASE STUDY:

Chirano Mine - Ghana

OVERVIEW

The project consists of aerial Lidar and ground survey covering an area of 430km sq in the Western Region of Ghana.

The implementation date was 20 December 2012 and the work was completed within 3 months. Due to prevailing weather conditions in Ghana the project was flown between Christmas and the New Year.

SITUATION

Open pit and underground ore are processed at the Chirano plant. The capacity of the mill is approximately 3.5 million tonnes per annum. Processing involves crushing, ball mill grinding, leaching, and CIL. Gold is recovered by an elution circuit. The client required an updated DEM and Orthophoto to assist with the management of the mine, planning and design of a new tailings dam.

ACTION

The client was introduced to AAM Africa at the 5th West and Central Africa Mining Summit held in Accra, Ghana on the 11 & 12th September 2012, where we had a booth. The client expressed his needs and following a number of meetings we were appointed to perform the survey.

Lidar DEM, 0.25m contours and a 10cm GSD colour orthophoto mapping was delivered to the client on site.



On the Site



RESULT

The data allowed the client to identify 3 possible sites for the new tailings dam and design is currently underway. The survey also revealed anomalies on their existing survey systems and a comprehensive ground survey will be performed to consolidate all surveys.