



Area: Syama Mine is located in the South of Mali, West Africa 300km Southeast of the Capital of Bamako and 30km from the Cote d'Ivoire border.

Background: Experiencing problems with their airstrip at the Syama Mine in Mali, Resolute Mining contacted Soil Solutions to provide a solution for their existing problems and an airstrip upgrade. The surface of the airstrip had been previously treated with an oil-based product, which resulted in slippery surface conditions, the loss of fine material and the formation of potholes and undulations in the surface.

Project Description: The Syama Team followed the preparation instructions provided by Soil Solutions and prepared the airstrip prior to the Soil Solutions team arrival. The preparation included the skimming of the surface with a grader to scarify and remove any remaining oil and to allow for the overlay of additional material to coalesce with the existing layer. A 100mm overlay of laterite material was placed and contoured with a 1 to 1.5% camber from the centerline outward and then compacted to natural ground level for the last two meters on each side to allow for proper drainage capability and prevent any possible damage to the landing lights. Three water tankers plus a CAT tanker were supplied which allowed the EBS Surface Seal to be applied in an efficient manner and to be finished within the necessary timeframe of only 4 days.

Project Name: Gravel Runway Upgrade

Location: Mali, West Africa

Date: February 2016

Client: Resolute Mining Syama Mine

Application: EBS Surface Seal

Airstrip Information: 1.7 km x 30m wide with the taxiway and parking area approximately 70,000m² in total

GPS Coordinates: 10°46'27.57" N, 6°03'10.42" W
Elevation 352m



Result: The application of the EBS Surface Seal provides a sealed water resistant surface protected from erosion; loss of fines; undulations in the surface including cracking, potholes, rutting or corrugation and most importantly eliminates dust and allows for increased safety, visibility. The improved surface allows for improved aircraft acceleration and improved skid resistance. The hard all-weather airstrip will require significantly less maintenance and thereby allows for a significant reduction in operational costs, as well as water use.



Conclusion: The appointment of Soil Solutions by Resolute to provide a runway improvement at its Syama Mine will ensure that the capital investment made in the construction of the runway is protected while providing improved safety and reduced environmental impact, which is in accordance with Resolute Mining's Corporate Responsibility, Environmental and Health & Safety management policies.

Soil Solutions wishes to thank the management and the team at Syama for the opportunity to provide our value added solutions.



Contact us today to see how we can help you do the same info@SoilSolutions.com