



PROJECT CASE STUDY

GEOTECHNICAL SERVICES



AMC substantially contributes to the safety of operation

AMC is engaged to provide geotechnical services to Ukhaha Khudag (UHG), a large open pit coal mine in the South Gobi desert of Mongolia owned by Energy Resources LLC (“ER”), subsidiary of Mongolian Mining Corporation (“MMC”).

“*AMC have been involved on a regular basis at UHG since 2010 and have been instrumental in training and mentoring local geotechnical staff with the expertise necessary to manage the challenging structural conditions on site. This has contributed substantially to the safety of our operation, with Mine Operations and Technical Services confident in the monitoring and controls in place.*”

— Sam Bowles, MMC Chief Operating Officer

PROJECT FACTS

Company: Energy Resources
Operation: Ukhaha Khudag
Location: Tsogt-tsetsii soum, Umnogovi aimag, Mongolia.
Commodity: Coal

AMC Consultants is proud to work in conjunction with Energy Resources at Ukhaha Khudag



AMC CONSULTANTS: GEOTECHNICAL SERVICES CASE STUDY

PROJECT OVERVIEW

Coal is present in a number of seams, and along the flanks of the reserve the strata dips at up to about 35°. Regional tectonic activity has disturbed the strata with faulting and folding. AMC has been involved at UHG mine since late 2010, supplying both on-site and remote geotechnical assistance.

Key services have included training and mentoring site based geotechnical engineers, rockmass strength and structure assessments, slope stability assessments, rock related hazard identification and risk assessments and assisting compilation of a Geotechnical Design Document and Principal Hazard Management Plan.

MINE DETAILS

The UHG deposit contains a JORC compliant total Resource of 701 Mt1, and total Reserve of 315 Mt2. The majority of the identified Reserve is of high quality mid volatile hard coking coal.

Truck and excavator mining continues year round in the harsh climate, with nameplate capacity of 15 Mtpa ROM coal requiring annually 100 Mbcm total material movement.

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