

## Boroo Gold Mine

**Location:** Ulaanbaatar,  
Northern Mongolia

**Type of Contract:**  
Electric Motor Repair/  
Controls

**Job Completed:** July 2011



Boroo Gold Mine is an open-pit gold mining site in Mongolia located about 110 km from the capital Ulaanbaatar in northern Mongolia.

Boroo is owned by the Canadian mining company, Centerra Gold, Inc. and has produced more than 46 tons since it began commercial production, through the end of 2010. The Boroo mine is the first hard-rock gold mine established in Mongolia and the largest foreign investment in the country at the time it began production in 2004.

In the summer of 2010, the 4,300 HP, 150RPM Synchronous Electric Motor came to a halt. This motor runs the sagmill and operates 24 hours a day, non-stop. Boroo had to get the motor repaired and operating as soon as possible since the breakdown was resulting in significant loss in money and production.

Ainsworth was referred to Boroo by their insurance company. Having tried many other companies internationally to resolve their problem, Boroo contacted Ainsworth for help.

Ainsworth was confident of resolving the motor problem having experienced similar challenges before.

A team of mechanics were immediately on their way to Boroo Gold Mine. After working several hours on the motor for 3 days, the motor was back in operation.





Ainsworth team prepared a detailed service and feasibility report with recommendations to Boroo to replace the current motor with a more efficient, reliable and updated motor, thereby giving the customer peace of mind and high, uninterrupted production. The estimated cost of the replacement motor is just under \$2million dollars.

Boroo is working with Ainsworth in this initiative and Ainsworth is providing the customer with technical consultancy services in acquiring the new motor in the near future.

