



# Power System Upgrade - Main Substation Extension

CURRAGH MINE, QUEENSLAND

## PROJECT OVERVIEW

**CLIENT:** SKM (Sinclair Knight Merz)  
**PROJECT OWNER:** Wesfarmers Curragh  
**DURATION:** March 2010 - May 2011  
**ENVIRONMENT:** Brownfield

G&S was engaged to undertake the Electrical Mine Power System upgrade at Curragh Mine.

The works consisted of the following:

- Construction of an extension which involved the supply and install of a new 66/11kv 20mva transformer, associated switchgear and all civil works adjacent to the existing Curragh Main Substation for supply to the new Coal Handling and Preparation Plant.
- Protection and monitoring equipment to support the transformer supplies to 66kv switch yard at Blackwater central Queensland.
- Supply of a spare transformer.



**SAFETY IS OUR FIRST CONSIDERATION**