



## NEWCREST MINING LIMITED - Cadia East Project E&I Upgrade

### LOCATION

Orange, NSW

### DURATION

Sep 2010 - Apr 2011

### VALUE

\$9.8 million

### MAN HOURS

37,076

### Project Overview

Newcrest Mining awarded ECM the electrical and instrumentation (E&I) installation package for the expansion of the Cadia East Mine; Australia's largest underground mine. The project included the installation of a new ball mill, gravity concentrator and flash flotation unit along with the extension of the tailings disposal system. Additional services and reagents to support the extended plant operations were also provided.

The expansion project increased the mine's production of gold to 800koz and its production of copper to more than 100kt per year.

The predominant method of gold and copper recovery is via the flotation and gravity circuits at the existing Cadia Valley processing plants.

### Scope of Work

- Procurement, supply and delivery of labour and materials from Western Australia and New South Wales to site.
- Installation, testing and commissioning of the ball mill works including free issued equipment which comprised 33kV switchroom, 33kV switchboard (installed within the switchroom) and HV cables.
- Construction management and reporting.
- Interfacing between greenfields and brownfields sites in order to maintain existing plant operations.