

Site: The Granites Gold Mine

Location: Northern Territory - Australia

Description: Cyanide Mixing and Storage Plant Automation Project

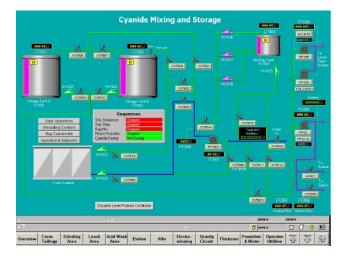
Equipment: Schneider Quantum PLCs

CitectSCADA

Cyanide pellets are trucked to site in Isotainers where the dry pellets are then mixed with water in the Isotainers before being transferred to holding tanks.

The following works were carried out:

- HAZOP / CHAZOP of the entire process
- Installation and wiring of additional PLC hardware and Instrumentation.
- Off site programming and testing of PLC code and CitectSCADA interface.
- Development of an Operator Interface to cater for "Chain of Command" permissions.
- Commissioning and Site Acceptance Testing of Control System.





Result: Automated Mixing sequence with appropriate safety interlocks, accurate mixing, zero downtime during modification and rollout of Control System.