

CASE STUDY / AVEBURY NICKEL MINE /



FAST FACTS /

- / Considered one of Tasmania's most substantial electrical projects in recent years
- / Remote location logistically challenging for labour and supply delivery
- / Limited power supply required meticulous coordination with power source and mine management



CLIENT /

Allegiance Mining

SERVICES REQUIRED /

HV, LV, instrumentation, process control, general light and power, communications, external lighting, earthing and lightning protection

TIMELINE /

10 Months

LOCATION /

Zeehan, Tasmania

CONTRACT VALUE /

\$7 million

Zeehan is a small town on the west coast of Tasmania named after Abel Tasman's brig, Zeehan. When the nearby Avebury Nickel Mine required an electrical installation the project took on its own historic proportions. In fact it became one of the most substantial electrical projects undertaken in Tasmania in recent years. The project was made more substantial by the sometimes daunting challenges that came with working in a remote location, particularly the logistics of ensuring labour and supply delivery.

The contract for the new processing plant involved the supply and installation of all electrical and instrumentation equipment to full functional facility status. This included the supply of all labour, supervision, materials, equipment, tools, scaffolding, craneage, transport and test equipment.

Time was another constraint. In the initial stages of the project there were windows of just 15 hours when power could be diverted from the nearby mining operation to enable work to progress.

To avoid mine stoppages, works were co-ordinated with the electrical supervisor of the mine and generators were organised for critical equipment supplies during the shutdown.

Importantly, designs were streamlined by the PSG Russell Smith team to ensure work progressed as smoothly as possible. While the majority of alterations were pre-approved, time constraints required PSG Russell Smith to initiate other alterations resulting in a measurable and substantial decrease in duration and cost.

In spite of the challenges of the project, all goals and outcomes were either met or exceeded. This highly successful project reinforced our expertise and abilities in undertaking major projects.