

Tsumeb Sulphuric Acid Plant E & I



Scope of Work

Electrical and Instrumentation division was appointed to undertake works at the new sulphuric acid plant at Dundee Precious Metals Tsumeb smelter in Namibia. The Project was completed in phases. Phase 01 – Gas cleaning, Wet ESP, MCC, Control Room, Acid storage, Acid Loading and Cooling System. Phase 02 – Effluent Plant. Phase 03 – Ausmelt PS Converter, Blower and Gad Plant. Electrical and Instrumentation team were responsible for the Routing of Cable Racks for E&I cables to and from the MCC and Equipment in areas. Installation of MCC, VSD, Control, MV, LV and UPS Panels. Installation of all Instrumentation Equipment and Control Systems. Cabling of all E & I Equipment and testing there off. Installation of Plant Lighting and Distribution boards. Instrumentation Tubing for Control Valves. All Commissioning

Location	Namibia
Client	Dundee Precious Metals
Project Type	Electrical and Instrumentation Installation
Value	R 51 Million
Duration	19 Months
Completion Date	31 January 2016

Project Overall Description

The Tsumeb mine is located in the northern region of Namibia and is hosted within a thick sequence of Precambrian (+660 Million year-old) carbonate rocks that form the Northern Carbonate Platform. These shelf deposits, made up of algal, stromatolites and oolitic dolomites and limestones with interspersed shale/mudstone horizons, have been divided into the Lower Abeneb and Upper Tsumeb Subgroup carbonate sequences. Together, these subgroups make up the Otavi Group carbonates which attain a maximum thickness of some 6700 metres.

