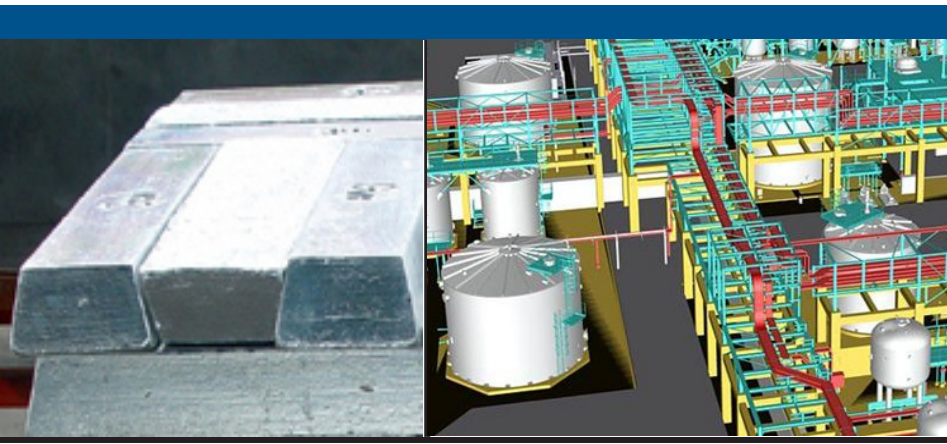


SAMAG Magnesium

Port Pirie, South Australia



Client

SAMAG (South Australian Magnesium Project)

Location

Port Pirie, South Australia

Project Scope

Testwork, Concept Development, Feasibility Study

Period of Work

January 2000 - 2002

Project Description

The project involved a process to convert magnesium ore (magnesite) to produce 50,000 tpa of magnesium metal using a technology developed by Dow at the Freeport, Louisiana plant for extraction of magnesium from sea water. The process proposed for the SAMAG project involved ore preparation, HCl leach, brine purification, electrolytic magnesium production, recovery of chlorine and conversion to HCl).

Uhde Shedden, together with its parent company Uhde GmbH, was engaged to undertake laboratory testwork, flowsheet development and feasibility study work for this project.