



Tunnels, Shafts & Excavations

Introduction

Specialist Site Services offer full service solutions in Slope Stabilisation, Ground Engineering and Mining Construction and Tunnelling. We are an Australian owned and operated Company established in 1983 to service the growing need for Specialist Contracting. Specialist Site Services is based in the Hunter Valley, NSW, Australia.

Benefits

Celebrating 30 years of continuous service to the Construction and Mining Industry, we offer a wide range of specialist contracting services and treat each project with pride utilising innovative solutions in a personalised and professional way.

Specialist Site Services understand the client needs to streamline their delivery of a construction project. We provide solutions that accommodate both conventional and alternative approaches to specialist contracting based on experience.

Services

Specialist Contracting services include:

- Tunnel Excavation & Drill-Blast
- Shaft Sinking & Permanent Linings
- Steel set fabrication & Erection
- Rockbolting and Anchoring
- Shotcrete & Fibrecrete applications
- Permeability testing, Grout curtains
- Bored Piling & Concrete Constructions
- Rockfall Fencing & Protection Meshing

Experience

Over the past 30 years our people have been involved in constructing Ocean Outfall tunnels, Motorways, Ports, Dams, Large Scale inner city excavations, Tunnel upgrades and Motorway tunnel construction, just to name a few.

Our accredited Management Systems, Safety focus and Environmental awareness are the cornerstones of our company culture. Our current management team are the 2nd generation of Construction professionals committed to delivering Industry Leading services.



Boulderstone/SSS –M5 Filtration Project

SSS was engaged to stabilise ventilation outlets, tunnel adits and spray seal a dirty air partition wall for the entire 350m length of tunnel. The contract included rockbolting, anchoring, grouting, fibrecrete, formwork and shotcrete. A number of M5 tunnel possessions were carried out, which included drilling of fibreglass roof bolts and spraying gunite. Upon the completion of this project, SSS were then engaged by the tunnel owner under a long term maintenance contract.



BHPBilliton/SSS –Mt.Arthur Coal Tunnel Project

SSS were called upon to inspect an Armco style safety egress tunnel that had suffered bad corrosion & deflection. Mine productivity was heavily reduced due to the tunnels integrity. GHD supplied a specification for the strengthening of the tunnel with steel reinforced fibrecrete and anchors. A thickness of 400mm of fibrecrete was applied to roof and rib for the entire length of the tunnel. A smoothing layer shotcrete was then applied to complete the successful project.



Boulderstone/SSS – Mardi Dam Upgrade

SSS were called in to replace another contractor that was unable to carry out the clients requirements. These included the grouting of a newly constructed steel lined tunnel, rockbolting, reinforcing and shotcrete of a shaft and intake chute. The dam's main take off pipe was made redundant and required grouting under head pressure. SSS were able to complete this difficult project to the satisfaction of both the client and the Public Works.



Railcorp/SSS –Ourimbah Upgrade

We were contracted by RailCorp to strengthen a brick culvert on the main rail line at Ourimbah. This contract included supply of rail protection, culvert dewatering, excavation & disposal, steel fixing, formwork for headwalls, concrete, fibrecrete and gabion walls. All internal concrete applied to the roof & ribs was by shotcrete spray/finish. SSS continue to generate repeat business from clients by applying the most stringent of environmental controls in these very sensitive areas.