



Roadway Tunnel Vent Fan Installation Rig



Forefront Services was engaged to design and manufacture a hydraulically controlled lifting rig for installing vent fans to the roof of roadway tunnels. The client required the design to be simple with no complex connections and the unit needed to be robust enough to cope with the aggressive tunnel environment.

Forefront designed the lifting unit in accordance with the client's design requirements, and to improve operator safety, the rig was fitted with remote operation capabilities using (RRC) Radio Remote Control Systems. The addition of remote operation to the unit provided a safer work environment as it allowed operators to be well clear of the machine during lifting operations.

Forefront Services deliverables included:

- Design
- Engineering
- Manufacturing drawings and fabrication
- Supply of hydraulic components and radio remote control system
- Risk assessment
- Delivery to site
- Commissioning

Forefront completed the project on time and in accordance with the client's requirements and the relevant Australian standards and specifications.

Commodity:
Infrastructure

Location:
New South Wales

Service:
Design, Engineering, Manufacture and Commissioning

