

WMC's Olympic Dam site in South Australia has one of the largest ore bodies of its type in the world. The estimated reserve is 569 million tonnes of minerals comprising copper, silver, gold and uranium.



with the ambitious project schedule and with the capacity to meet the production requirements of the expansion.

Converteam is very proud of the technical excellence of this world-class reference and the achievements of its engineers as part of the international project team.



Key Facts

Project:	Olympic Dam No.3 Shaft Winder
Location:	Roxby Downs, South Australia
Customer:	Western Mining Corporation
Award Date:	March, 1997
Duration:	18 months
Scope:	Design, manufacture and commissioning of mine winder electrics and control system

and performance requirements were achieved.

Converteam provides a number of systems as part of the winder packages with the main features being:

- AC motor integrated into the friction winder thereby discarding the use of gears and external motors. This is the first integrated winder in Australia and at the time the largest integrated winder in the world
- Electrical speed distance protection which is a digital and hardwired safety system following PES guidelines and doing away with Black's or Lilly Controllers
- Competence PLC control of winder and complete sub-systems

To increase production capacity to capitalise on these reserves, WMC implemented a \$1.9 billion project. A component of this project was the 6.5 MW friction winder.

Converteam's close relationship with WMC, its mechanical partner Siemag, coupled with Converteam's technological capability, guaranteed that the technical

After Converteam's detailed design analysis and extensive coordination with numerous local and overseas companies, WMC received the mine winder in line

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