

# CASE STUDY – UNDERGROUND DIAMOND DRILLING SERVICES DRILLING



## BHP – OLYMPIC DAM MINE

### Client:

BHP

### Service:

Underground diamond drilling

### Location:

Olympic Dam, South Australia

### Project Challenges:

- 60 new Mitchell employees in a new state
- Ground conditions
- Mine productivity and access
- Faults and shear zones
- Ramp up from 1 to 8 rigs
- Rig commissioning and equipment onboarding

### Approach and Equipment Used:

- 2 X Boart Longyear MDR700 Manitou mounted drill rig

- 6 X LMA90 drill rigs
- Auto drill technology
- Diamond rod handlers
- Integrated carrier

### Client Outcomes:

- Minimal contractor related standby
- Record metres drilled in a single month
- Material cost per metre decrease
- Deepest underground hole ever drilled at site
- Diamond rod handling
- Auto drill functionality materially increasing productivity