



## Alios - facilitating profitable mine site rehabilitation by unlocking the value in tailings.

Alios is an environmentally aware mining company that aims to create a safe and sustainable working environment for our employees, our customers and the surrounding communities.



Alios HydroMiner 150

### Produce a saleable commodity from an existing waste resource

Alios builds, owns, operates & maintains independent tailings hydromining, processing and pelletising systems that produce saleable products from tailings. In the Bowen Basin this is coal.

- ✓ World's best low input pressure HydroMining
- ✓ Completely independent modular processing plant
- ✓ Extensive use of monitoring and control technologies
- ✓ Safe, efficient proven systems and processes
- ✓ No interaction with current CHPP

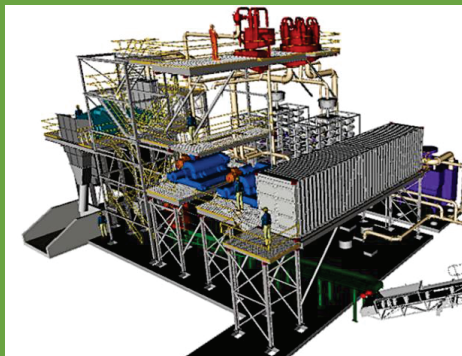
### Full Tele-remote HydroMining

Alios' hydromining brings a step-change in safety & working conditions for operators while lowering the risk profile and energy use for mine owners.

- ✓ No operators on the dam surface - full tele-remote operation
- ✓ No high-pressure water and the associated safety hazards
- ✓ Approximately 20% power saving due to low pressure mining
- ✓ No manual handling of high-pressure steel pipe
- ✓ No Geotechnical issues; 6 meter standoff and 1:4 mining batter
- ✓ GPS machine positioning
- ✓ Real time production data



Alios Tele-remote HydroMiner Control Room - Multi Unit



Alios Tailings Reprocessing Plant

### Produce extra coal while reducing waste

- ✓ Removing tailings reduces environmental exposure footprint and liability
- ✓ Increases Social License and acceptance
- ✓ Defers capital requirement for future tailings storage facilities
- ✓ Energy efficient hydromining and processing
- ✓ Minimal water usage – full system recycling
- ✓ Independent of current CHPP processing
- ✓ Does not displace run-of-mine (ROM) coal

Alios delivers coal to our customers from existing tailings resources as a stand-alone operation without disrupting mine production. Mining and reprocessing tailings dams reduces a mine's environmental exposure, footprint and liability while increasing the company's social license and community acceptance – all while producing a saleable product.

***Eliminating a hazard will also eliminate any risks associated with that hazard.***



Met Coal Pellets produced from Bowen Basin Tailings Resource