

# flow & water quality

## Tarong Coal Mine Project—Rio Tinto

Queensland / Australia

### project summary

Rio Tinto operates Tarong Coal Mine to comply with a stringent water management system. All discharges from the pit dewatering activities and stormwater runoff are monitored for quality and quantity before discharging into nearby Merandu Dam for use by the adjacent Tarong Power Station and by downstream irrigators. Reporting of total runoff volumes and key water quality data are required by the Environment Protection Authority (EPA).



### project features

- Remote Water Monitoring Stations
- Solar powered with sensors for:
- Water Depth & Discharge
- Turbidity
- pH
- EC & temp
- Concrete Weirs & Flumes for Rating curves
- Data Logging & Radio Telemetry
- Base Station Data System & Reporting
- Quarterly System Servicing & Calibrations



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