



FILTERSAFE SPOTLIGHT

Central Queensland Mining Project



INDUSTRY

Mining

APPLICATION

Process water

Filtersafe

- 20 years filtration experience
- 4,000+ installations
- 10 µm upwards & 9,000 m³/hr
- Modular filter technology

Project	Central Queensland Mining Project
Location	Central Queensland Mine Site
Date installed	2023
Application	Process water
Water Source	Channel water
Filter model	Staged Filtration 130µm disc filters followed by 10µm disc filters
Treatment capacity (flow rate)	180 m ³ /hr
Client	Dowdens Pumping & Water Treatment
Unique Challenges	A request was put out to replace the Media Sand Filter system currently in place to reduce backwash water volumes and improve filtration performance.

Why Filtersafe Was Chosen



Filtersafe was selected for this Australian mining project due by providing a unique Azud disc filtration solution. The Azud air-assisted flushing system requires only 10 liters of water per pod for backflushing, resulting in over 80% water savings. This sustainable solution not only minimizes water consumption but also eliminates the need for media replacement every two years, significantly reducing maintenance costs and downtime. The compact design offers a smaller footprint compared to media sand filters, making it ideal for installations with space constraints. The system's energy-efficient operation, utilizing compressed air for cleaning, further enhances its cost-effectiveness and environmental benefits, providing a reliable and innovative solution for improving filtration performance.