



# TAILINGS MANAGEMENT

ATC Williams is a leading tailings, water and waste engineering and management specialist. We deliver lifecycle tailings solutions to mining operations worldwide.

Our integrated and multi-disciplined approach ensures best practices and advanced technology for operational excellence.



## SUSTAINABLE TAILINGS SOLUTIONS

Our lifecycle approach incorporates all aspects of tailings engineering, including:

- ✓ TAILINGS, MATERIALS AND SITE CHARACTERISATION
- ✓ TAILINGS MANAGEMENT TECHNOLOGY
- ✓ WATER MANAGEMENT
- ✓ SPECIALIST SLURRY TRANSPORT AND MECHANICAL ENGINEERING
- ✓ HYDROLOGY AND HYDROGEOLOGY
- ✓ TAILINGS DAM ENGINEERING
- ✓ LIQUEFACTION ASSESSMENT AND CONTROL
- ✓ FAILURE IMPACT ASSESSMENT
- ✓ INTEGRATED FACILITY CLOSURE
- ✓ GOVERNANCE AND RISK ASSESSMENT
- ✓ INSTRUMENTATION AND CRITICAL CONTROL



# HOLISTIC STRATEGIES, UNLIMITED POSSIBILITIES

**From conventional to dewatered tailings management, our extensive expertise delivers a broad range of tailings management solutions.**

For over 40 years, ATC Williams has produced high-quality technical outcomes to meet business needs while providing sustainable solutions for the community and environment.

## WE UNDERSTAND TAILINGS

Proven front-runners in advancing industry knowledge on tailings behaviour and dewatering.

Experts in the fundamental interaction between tailings thickening/dewatering, tailings transport, deposition and beach slopes and retaining structures.

Specialists in trade-off studies and design of tailings storage facilities.

## PARTNERSHIPS

Our clients are found in government, infrastructure, and mining sectors. We partner with asset owners, research institutions, suppliers and specialist engineering consultants.

## TYPICAL TAILINGS AND WATER MANAGEMENT SOLUTIONS WE DELIVER

- Specialised Tailings Testing
- Investigation, Design, Construction, Operation and Closure Services
- Scoping and Feasibility Studies
- Analysis and Design Studies
- Construction Quality Assurance and Control Services
- Operational Technical Support
- Quantitative and Qualitative Risk Assessments, Auditing and Governance
- Engineer of Record (EOR) and Designer of Record (DOR) Services
- Independent Technical/Tailings Review Panels and Third Party Reviews
- Closure and Capping Design and Landform Evolution Modelling

**KAZ**  
MINERALS

RioTinto

**BHP** Newmont.

GLENCORE

AngloAmerican

**MMG**

**ILUKA**

Fortescue

29  
Metals

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