



TAILINGS. WATER. WASTE.

# SPECIALISED SLURRY & MECHANICAL ENGINEERING

ATC Williams provides engineering solutions and services for the mechanical infrastructures associated with Tailings Management Systems and Slurry Handling.

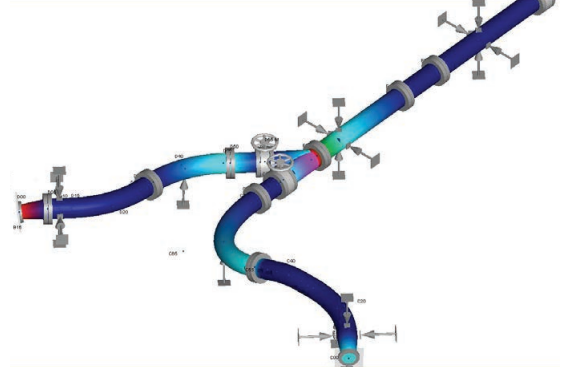
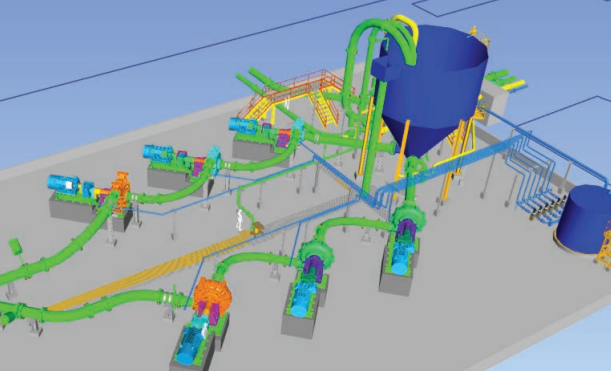
The group delivers lifecycle solutions in Tailings, Water and Waste for the mining, resources, and government sectors.

## MATERIAL CHARACTERISATION EXPERTISE

Enhance your projects with innovative and custom-made solutions.

- ✓ SPECIALIST SLURRY & RHEOLOGICAL LABORATORY TESTING
- ✓ TAILINGS DEWATERING & TRANSPORT TECHNOLOGY SELECTION
- ✓ COMPLEX SLURRY FLOW BEHAVIOUR ASSESSMENT & HYDRAULIC DESIGN
- ✓ TAILINGS DISTRIBUTION & DEPOSITION SYSTEM
- ✓ PROJECT LEADING, DESIGN & OPTIMISATION SERVICES
- ✓ SCOPING STUDY, FS, PFS, DFS & DETAILED DESIGN MULTIDISCIPLINE ENGINEERING





# DRIVEN BY INNOVATION

By applying our extensive past experiences in tailings management systems with our innovative engineering expertise, we add value while minimising collective project costs, risks and environmental impacts.

We are committed to providing unique and responsive services to suit clients' needs. Working closely with the client, we strive to define the most cost-effective and practical solution for the project.

## SLURRY AND MECHANICAL BENEFITS

A committed team experienced in the mechanical aspects of tailings and water management systems

Specialised process and mechanical engineers collaborate with civil and geotechnical teams across all of our offices

Unique knowledge of global tailings management strategy and evolution

Holistic project assessment and evaluation from material characterisation to solutions definition and engineering development

## TYPICAL PROJECTS WE DELIVER

You will benefit from our extensive background in tailoring testing solutions for your mining or resource project. Ask our senior professionals about the following:

- Tailings and Slurry Characterisation and Rheological Properties Testing
- Specialised Transport Testing, including Pipeloop, Pipeline Blockage and Restart
- Pipe and Open Channel Hydraulic Transport System design (water, non-Newtonian and complex settling slurries)
- Tailings dewatering and handling system (i.e., thickening, filtration, ultra-paste, cyclone etc.)
- Tailings distribution and deposition strategies
- Detailed Design, Cost Analysis, Tender Package Preparation, RFQs and Tender Technical Specification

## PARTNERSHIPS

Our clients are found in the mining and resources sector around the world. We partner with process design companies, equipment suppliers and other specialist engineering consultants.



### CONTACT US

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