ATC Williams has an international reputation in the areas of mine tailings & water management, tailings slurry transport, tailings storage dams, rehabilitation and closure.

ATC Williams pioneered the Central Thickened Discharge (CTD) system in Australia and is an acknowledged world leader in the method.

Services include:

- options and feasibility studies for tailings
- geotechnical and hydrogeological investigations
- tailings testing and evaluation
- rheology testing and evaluation
- thickening and pumping of tailing slurries
- water management studies and modelling
- embankment design
- capping and closure designs
- risk management
- regulatory approvals
- construction and operational support
- system performance appraisals
- independent design audits and reviews.

We have undertaken over 500 tailings projects around the world

We aim to minimise project cost, risk, environmental impact and, paramount at many arid sites, water consumption. There is emphasis on understanding all factors influencing a project, and working with the client to develop optimum, value-added solutions.

We established a testing laboratory in Melbourne, equipped to carry out specialised procedures related to the behaviour of mine tailings and slurries. The laboratory is NATA accredited.

We have also developed close working relationships with experts in allied fields such as seismic risk studies and geochemical testing.

Our experience covers mines for copper, gold, iron-ore, coal, bauxite, lead/zinc, phosphate, mineral sands, nickel (laterite), uranium, washed sand and dredge residues.

As we continue to stretch the boundaries of our professional knowledge, ATC Williams remains focused on delivering the right solutions for our clients.