

Water Quality A Shared Responsibility

YOUR NATA ACCREDITED PARTNER IN
WATER QUALITY MONITORING



acoem
CREATING ENVIRONMENTS OF POSSIBILITY



Water is life

Industries are becoming more concerned with not just monitoring water usage but also the levels of pollutants that may enter waterways as a result of their processes.

Whether you are working with:

- Mining companies, seeking services for compliance, discharge, water balance investigative monitoring
- Environmental specialist companies, looking for data in real-time to allow for highly accurate modelling
- Heavy industry, such as refineries and smelters, where process water quality and discharge can be an issue
- Government and councils, interested in flow and stream height monitoring as well as industry discharge.

We have developed monitoring systems and services to address the need to sustain quality of water. Accurate real-time results are imperative as the impacts of contaminated water can be catastrophic.

Whether monitoring for industrial compliance, environment sustainability, restoration, livelihood, or food and water preservation, we are acutely aware of the importance of reliable water monitoring.

*NATA accredited facilities & services comply with the requirements of ISO/IEC 17025:2005 and includes testing laboratories, calibration laboratories & blast monitoring services

REGULATIONS REQUIRE MONITORING OF:

- Environmental health of ecosystems, fauna and flora
- Human health to maintain availability and prevent disease
- Water balance to monitor rainfall, evaporation, human usage
- Industry to assess internal controls, regulated controls, process quality and discharge.

THE ACOEM WATER SAMPLING SERVICE

Mobilisation for water sampling

Combining experience with technology, Acoem's water sampling service is structured to systematically programme sampling operations for customers.

A team of specialist field technicians trained in NATA accredited field monitoring procedures will work with site project managers to deliver a reliable, cost-effective system in accordance with strict regulatory standards.

ACOEM'S WATER SAMPLING CAPABILITIES:

Groundwater sampling

– bores and aquifers

Low-flow, high-flow monitor sampling along with production and recovery sampling.

Surface water sampling

– rivers, dams, deltas and marshes

Grab sampling and in situ monitoring of weirs, gauging stations, rainfall and evaporation.

Potable water sampling


– drinking, grey water, irrigation

Bacterial and chemical analysis via source point sampling of dams and tanks along with random and end point sampling of cribs, kitchens, bathrooms and office taps.

Waste water sampling

– storm, industry, sumps, tanks and drains

Grab and composite sampling from gauging stations and weirs.



ONLINE WATER MANAGEMENT

Acoem uses a customisable water monitoring database – the Environmental Water Monitoring System (EWMS).

The EWMS enables storage of detailed site information including GPS mapping and specifications, as well as full sample histories.

Scheduling can be preset to ensure no monitoring or analysis requirements are missed and triggers will alert technicians of exceedances or anomalies. There is an automated chain of custody and samples are traceable from site to our NATA endorsed reports accredited lab. The database can be accessed via any device with internet access and data reports can be exported in a variety of formats.

NATA ACCREDITED WATER LABORATORY

Detection, measurement and monitoring are entirely dependent on certifiable accuracy.

Acoem has a fully operational NATA accredited water quality laboratory and accredited reports can be issued for all water quality analyses covered under Acoem's current scope. Acoem is NATA accredited for field sampling techniques and reporting for most in situ water quality measurements.

COMPLETE INTEGRATED WATER SYSTEMS

The Acoem Water Quality Monitoring Station (WQMS) is the ideal system to measure and sample water discharge or run-off.

Real-time water quality data can be viewed online from remote linked water quality stations including pH, EC, Level, Temperature, ORP, DO and Turbidity parameters.

These stations can be engineered to be nomadic, self-powering and secure with very low maintenance requirements. The system automates monitoring and collection and sends a notification via SMS or email when a sample collection is made or an exceedance level is measured.

WQMS can be installed in situ down bores, in rivers or process lines and be built to accommodate a variety of power options such as mains, solar, hydro or wind.

WATER ANALYSER & INSTRUMENTATION

Our range of water instrumentation and systems cover an array of specialist products. Whatever industry you're in, and whatever your need, Acoem will have the right monitoring system for the job.

We offer products from several specialist manufacturers. Each one has been chosen for a range of applications and backed by the expertise that make Acoem a trusted name in water monitoring.

We partner with the world's top manufacturers such as:

- Maxx specialty water samplers
- Tethys multi-parameter monitors
- Instruments for mercury in water analysers
- ABB LGR-ICOS water isotopes analysers
- Greenspan water quality sensors
- Kunak AIR Pro for ambient gas monitoring.





About Acoem

At Acoem, we create environments of possibility – helping organisations find the right balance between progress and preservation – safeguarding businesses and assets, and maximising opportunities while conserving the planet's resources. We deliver unrivalled, interoperable AI-powered

sensors and ecosystems that empower our customers to make enlightened decisions based on accurate information.

Together with 220 distributors, our 850+ employees work across 28 offices, 6 manufacturing facilities and 5 R&D centres in 10 countries, to provide trusted, holistic data solutions for customers worldwide.

Acoem links possibilities with protection.

For more information visit acoem.com/australasia