
WATER QUALITY MONITORING AND CONTROL



AMPCONTROL CONNECTS YOU TO WATER QUALITY SOLUTIONS

Ampcontrol offers advanced water quality monitoring and control solutions, underpinned by its exclusive partnership with Adasa.

Adasa's water quality monitoring equipment brings together world leading innovation and patented design to deliver robust and autonomous equipment capable of addressing all continuous water quality monitoring applications and providing real time results.

We offer customers seamless access to expertise in environmental quality, hydrology, water treatment, information systems and automation and control systems in partnership with Adasa.

Our collaborations with universities, scientific institutions and research centres provide unique access to diverse technical and analytical resources ranging from hydrography, meteorology and environmental intelligence.

We understand the needs of water and wastewater applications and have proven capabilities in all facets of design, implementation and service of major control systems, communication and monitoring equipment and application software.

As experienced system integrators, Ampcontrol has the ability to integrate Adasa products and data into new or existing environmental management systems. Ampcontrol and Adasa's proven knowledge in the formatting, validation and presentation of meaningful data ensures data is delivered in the optimum way to enable informed decision making.

Ampcontrol's integration, installation and service capabilities are built on a strong foundation of industry knowledge acquired over many years.

We are focused on providing a complete and full service solution to your water quality monitoring and control needs. To ensure you get the most from your system, Ampcontrol can deliver technical and support services including system design, commissioning, maintenance, calibration and training across Australia and New Zealand.

SYSTEM INTEGRATION SERVICES

Technologically evolved over many years of diverse application testing, Adasa products are designed to be robust. They can be used stand-alone or integrated into larger scale automated environmental alert and control networks.

We offer a range of local and remote communication and interface options that can be integrated into any data acquisition system and used with other third party equipment and systems such as:

- Actuators, sensors and instruments
- Data loggers, Programmable Logic Controllers (PLC's) and Remote Telemetry Units (RTU's)
- Radio communications (licensed, unlicensed, 3G, LTE)
- Corporate communication systems, IT infrastructure
- Control centres, monitoring and SCADA systems, Business Intelligence
- Geographic Information Systems (GIS)
- Web / Browser applications and mobility technologies (GPS, etc.)
- Operational forecasting and analytical models
- Process management, workflow systems, and document control (C2MS)



The use of automated Real Time Continuous Water Quality Monitoring solutions assist in proactively safeguarding water systems, identifying potentially dangerous situations and environmental episodes and ensuring nothing slips through undetected.

COMPLETE LIFECYCLE SERVICES

1

Consultation and definition

Ampcontrol works closely with customers to establish key objectives and expected outcomes which underpin any successful implementation. We have been market leaders for over 45 years by listening to our customer requirements and understanding what needs to be done.

2

Design and specification

Translating customer requirements to specific deliverables involves careful collaboration and a strong commitment from all stakeholders to achieve the best results. Ampcontrol's applied know-how in every facet of the early development phase gives our customers the necessary confidence to forward plan their implementation programs.

3

Budgeting and planning

By drawing on our diverse industry knowledge and customer experiences we establish clear budgetary and technical parameters. Ampcontrol's project teams use the latest productivity tools to effectively coordinate multi-faceted projects.

4

Procurement and supply

Ampcontrol consistently achieve dependable, highly available systems. Delivered with commercial support through mature and adaptive business and quality processes, we provide you with the confidence that the goods and services you receive are exactly as ordered.

5

Manufacturing and assembly

Ampcontrol's cutting-edge solutions are a combination of our own advanced technologies and third party products that can be provided as standard or customised solutions. These are assembled through rigorous processes to achieve high quality, consistent results.

6

Implementation and commissioning

Ampcontrol's highly skilled and qualified engineers produce innovative and robust systems. Our facilities include dedicated resources for the testing of advanced monitoring and control systems, which can be witnessed at the customer's discretion prior to site shipping. Once on site, we work closely with local companies in a supervisory capacity to ensure projects are delivered on time and to budget.



7

Maintenance and calibration

Ampcontrol's knowledgeable service personnel can adapt to multiple site conditions, including access restrictions, safety and emergency procedures, reporting and accountability. They are well equipped to deal with the reactive nature of site work, with the latest tools and apparatus. Detailed site logs are used to record historical site activity and any changes made to improve plant and equipment performance.

8

Training and support

Throughout a project's lifespan, Ampcontrol offers various training, warranty and ongoing support options that can be tailored to specific requirements, including customised training programs and extended support level agreements for all industry sectors.

9

Auditing and reporting

No lifecycle would be complete without an ongoing commitment to regular systems checks and measures. By recording and comparing operational settings, equipment configurations, calibration registers, scheduled maintenance records and other metrics, a comprehensive picture can be made. This information facilitates asset management, optimisation and upgrade strategies and migration paths for legacy systems and equipment.

KEY WATER QUALITY MONITORING INSTRUMENTS



aquaTest-MO

Multiparameter Physiochemical and organic matter analyser (mod. P103)

Continuous measurement of physiochemical parameters (temperature, pH, conductivity, dissolved oxygen, redox, turbidity) and organic matter.

The combination of these measurements provides the necessary information for ascertaining the origin and causes of alterations in the medium. aquaTest-MO is very useful for assessing water quality and for detection and characterisation of effluents, sewers and treatment plant operation.



aquaMonia

Ammonium water analysers (Mod. A103, A104, A105)

- aquaMonia A103: Analyser for detecting incidents in freshwaters with low levels of ammonium.
- aquaMonia A103 Aquaculture: Analyser for monitoring ammonium concentration in aquaculture facilities, highlighting its effectiveness in seawater.
- aquaMonia A104: Low maintenance ammonium analyser for mid-range measurements.
- aquaMonia A105: Analyser designed especially for measuring ammonium in sewerage, capable of withstanding high levels of turbidity.



aquaMostra

Refrigeration automatic sampler (Mod. M104)

Programmable and cyclical sampling, with alarm and remote command.

aquaMostra is an indispensable complement for installations with early warning and continuous analysis units. It takes samples at user defined intervals or is triggered by an alarm, for subsequent detailed analysis at a laboratory.



aquaDam

Dammed water quality monitoring

Multiparametric self positioning vertical profiler that automatically measures the parameters that represent dammed water quality throughout the water column.

Highly effective for managing water in reservoirs, it optimises operating costs and minimises organoleptic problems in subsequent purification. aquaDam also ensures real time quality monitoring and defines the ideal depth at which water is extracted depending on its end use.



Automatic stations for water quality monitoring

Our stations are customised solutions suitable for monitoring in different applications.

With very minimal maintenance requirements, the stations are designed for continuous and automatic operation, supplying real time information. The diversity of structures covers all location needs: fixed structures for permanent locations and mobile units, self-propelled vehicles or trailers that allow full mobility.

There is a range of different sized stations available, designed to allocate the number of analysers required to fit any particular need.



aquaBio

Analysers for the determination of Escherichia coli and total coliforms

Especially designed for determining the Escherichia coli and total coliforms in water, which are essential indicators for setting possible uses and reuses of the water.

aquaBio ensures the definition of wastewater reuse and sets up bathing water quality.



aquaScout

Floating autonomous multiparameter analyser

Continuous automatic measurements of physiochemical parameters with complete energy autonomy and the capacity to transmit data to a command centre.

aquaScout is the ideal equipment for undertaking water quality monitoring or water control in rivers and lakes. aquaScout is the best solution for water quality monitoring, allowing multiple and simple changes of location in the medium due to its floating structure.



aquaReg

Irrigation water monitoring unit with GSM and GPRS



aquaSub

Groundwater monitoring unit with GSM and GPRS

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