

The Ecowise difference

Experience

The Ecowise Instrument Group comprises of a team of instrument technicians and hydrographers with a diverse skill set and extensive industry experience.

Tailored solutions

We are committed to our customers. We offer a complete service to clients across Australia, from the initial design phase through to the installation and operation of monitoring systems tailored to specific requirements. Contact with our customers may extend several decades and encompass the upgrading of networks several times over.

Purchasing

We have a centralised purchasing system with staff dedicated to coordinating customer equipment and delivery orders, on time and within budget. Discounts and reduced freight costs are passed on to our customers where possible.

Technical support

The Instrument Group offers a technical support service to aid field staff and customers with the operation maintenance of instrumentation.

Instrument database

Our instrument database and quality control system is web based, centralising all information pertaining to the instruments and systems operated by Ecowise.

Training

We offer all our customers technical training and mentoring, tailored to meet their specific requirements, so they are better equipped to operate and maintain their hydrological and meteorological systems.



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About us

Ecwise Environmental has one of the most comprehensive instrument groups in Australia. Our Instrument Group delivers a wide range of tailored instruments and systems for the measurement and control of environmental information for science, and the environmental and water industries. We operate extensively throughout Australia and overseas.

All equipment is either built in house or sourced from suppliers who have a proven track record for cost effective, reliable and on time service delivery. Our Instrument Group specialises in custom building systems—such as hydrological and meteorological systems, with options for data acquisition, measurement and control—to meet your specific requirements.

We offer a range of specialised services to complement our monitoring systems. We can advise on the best sensor for a particular application, carry out station installations or even supply, operate and maintain a complete monitoring network.

All our systems are designed, assembled, tested and calibrated in our large modern workshop using NATA accredited systems and procedures. Our workshop operates under the Ecwise Quality System and is certified to ISO 9001.

Continuous refinement and development of our systems ensure we stay at the leading edge of technology, resulting in the provision of accurate, reliable and durable systems, to our clients, under the harshest of conditions, in the most remote locations.

Our products

Hydrology and wastewater systems

- Water level, quality, velocity, pressure and flow
- Automatic and refrigerated samplers
- Water quality monitoring trailers and buoys
- Sewer (including gas monitoring) and trade waste.

Meteorology and air quality systems

- Rainfall and evaporation
- Wind speed and direction
- Air temperature and humidity
- Solar radiation
- Barometric pressure
- Dust, noise and air quality analysers.

Data acquisition, measurement and control systems

- Dataloggers and software,
- Phone telemetry (PSTN, GSM, 3G, Satellite)
- Radio telemetry (Short Haul, VHF/UHF, Spread Spectrum)
- Internet solutions (Wireless Ethernet, GPRS, 3G, Satellite)
- Software for measurement and control (SCADA systems)
- Software for data processing and analysis

Our services

Instrument workshop

- Custom design and supply of environmental monitoring systems including automatic weather stations (AWS), automatic water quality stations, waste water monitoring systems, sewer monitoring stations and air quality systems
- Design and supply of industrial telemetry solutions to permit remote operation of existing and new networks, including real time monitoring and control (SCADA), automatic data recovery, alarming functions (including SMS and email) and delivery of data via the internet
- Repair, servicing, modification, calibration and back up support for all instruments and systems, including a programming service for most data loggers, sensors and telemetry systems

Field operations

- Onsite consulting, assisting customers with the operation and maintenance of their current monitoring networks, assessing their future requirements
- Installation, commissioning, operation and maintenance of environmental monitoring systems
- Operation of data retrieval, processing, archiving and presentation systems including Campbell Scientific LoggerNet, RTMC, Web Server, HYDSTRA and delivery of data to the internet.