



Environmental Reporting Services

Complete solutions & full traceability of data



acoem
ECOTECH

REDUCE YOUR ENVIRONMENTAL IMPACT

Sophisticated data management solutions

Australian owned and operated, ACOEM Ecotech has over 40 years of experience in providing environmental monitoring products and services to customers around the world.

The Ecotech Environmental Reporting Services (ERS) department consists of more than 15 specialist environmental data analysts. Combining their expertise and using sophisticated software they provide data collection, analysis, validation and reporting services to customers around the world.

Ecotech has held NATA/ISO/IEC 17025 accreditation for the operation and maintenance of ambient air and continuous emission monitoring systems for almost 20 years.

Every day we operate and manage over 500 real-time environmental monitoring sites worldwide, and employ over 220 people across Europe, Oceania and Southeast Asia.

We offer an extensive range of services tailored specifically for environmental monitoring. These include:

- Training
- Installation & commissioning
- Calibration & maintenance
- Service & repair
- Data reporting
- Rental contracts
- Turn-key data only contracts.

DATA COLLECTION

Our ERS team work with you to develop the best solution for remote data retrieval using any combination of:

- Our own private mobile network
- Existing public mobile or telephone networks
- Internet or Ethernet
- Radio
- Satellite communication.

Data can be collected from an extensive range of instruments and monitoring systems from a wide variety of brands.

Once collected, data is stored in individual station databases and backed up off-site to ensure maximum data security.



Ecotech's private mobile network is used to access a monitoring site installed at a mine.

DATA CHECKS

Our ERS team provide daily data screening services.

Data that does not meet agreed data validation rules or is affected by instrument or system faults is invalidated.

System or instrument fault alerts are sent to our regional maintenance teams and our customers allowing faults to be quickly rectified. This service is critical in ensuring maximum instrument up time so as to obtain high data capture rates.

EXCEEDANCES & ALARMS

Automatic exceedance reports and alarms can be set up and activated by site specific triggers such as:

- Pollutant exceeds pre-determined levels
- Instrument malfunction
- Meteorological conditions.

Alarms can be forwarded via SMS or email.

Ecotech maximising valid data capture

DATA VALIDATION

The final step in producing NATA/ISO/IEC 17025 endorsed data reports is a full review of all data. Our ERS team apply their expertise and review all site maintenance checklists, calibration reports and any relevant information not available at the time of measurement. This information is used to confirm the validity of data.

The data validation process is fully traceable and no raw data is ever deleted, but rather flagged as valid or invalid. Detailed records of validation decisions are automatically kept. This is particularly useful for auditing purposes.

REPORTS

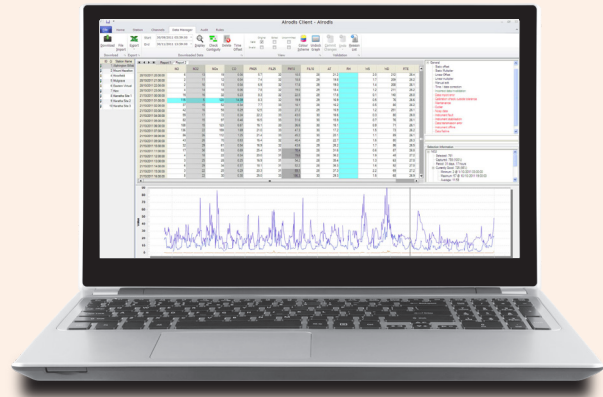
Quality accredited data reports are produced in accordance with NATA and customer requirements. Ecotech can also provide reports that are not NATA endorsed.

Our ERS department will design data reports to suit your requirements. These can be provided by courier on a DVD, emailed, or sent via FTP to a secure website for your viewing convenience.

Daily summary reports usually emailed in PDF format can be produced from the previous day, week or months data. This has proven to be a great tool to keep stakeholders informed of monitoring system status and measurement results.

Our reports use a variety of graphical and tabular data objects as well as text and image objects. You can choose the style, colours and fonts to suit. Data objects are available for any user definable period including hourly, daily, weekly, monthly and yearly periods.

Data can be presented in reports as tables, bar graphs, distribution graphs, frequency graphs, polar plots and/or wind roses. More advanced reporting includes; exceedence reports, a pollution index (data points plotted against defined threshold levels) or even a map showing the physical location and direction from which pollutants originated.



Airodis™ software by Ecotech is used to collect, validate and report environmental data.

Two of the most commonly requested reports include:

Basic data report

A simple Excel spreadsheet with a cover page, validated data in its raw sampling interval (eg 15 min), data re-averaged over one and 24 hour periods and a valid data exception table, which documents any changes made to the data set during the validation process.

Written summary report

This report complements the Basic data report as it includes details of monitoring locations, methods, estimates of uncertainties and calibration history. It also contains data capture statistics and graphical data representations.



Ecotech ERS analysts validating data.

Ensuring full traceability of data

THE ECOTECH DIFFERENCE

- Outsourcing your environmental data management function to Ecotech, the industry specialist, allows you to focus on core competencies
- Your data is examined daily, relieving you of tedious reporting and data management tasks
- NATA endorsement of your data reports is possible when you use Ecotech's services
- Ecotech is NATA (ISO/IEC 17025) accredited for data validation and reporting of an extensive range of pollutants and meteorological parameters
- Our ERS department operates 365 days a year with data downloads occurring as often as required
- Reports can be provided in a wide variety of formats and can be distributed by email, DVD, FTP, SFTP, website, hardcopy or by direct file output onto a PC or network
- Our vast experience in operating monitoring systems enables you to achieve optimum valid data capture rates greater than 95 %
- Our web reporting services allows us to provide custom web sites with either public or private access. We can provide a fully hosted service to our customers.

About ACOEM: Reduce your environmental impact

The ACOEM Group is a global leader in providing sustainable solutions for the development of smart cities of the future. It is committed to helping companies and public authorities meet challenges by offering products and services that:

- Prevent and control air, noise and vibration pollution
- Increase the productivity and reliability of industrial machinery
- Contribute to the development of effective, robust & noiseless solutions
- Protect soldiers, sites and vehicles in military operations.

Across the world, ACOEM's 700+ employees innovate in the measurement, analysis and control of environmental parameters through its 01dB, ECOTECH, ONEPROD, FIXTURLASER, MEAX, VIBRALIGN, AIR MONITORS, DYNOPTICS, TUNNEL SENSORS and METRAVIB brands.

For over 40 years, ACOEM Ecotech has pioneered innovative solutions in environmental monitoring for air, water, gas, noise, vibration, blast, meteorology, fine particulate and dust. Headquartered in Australia, and certified to internationally recognised quality standards, ACOEM Ecotech operates in more than 80 countries, managing and maintaining over 500 real-time environmental monitoring sites consisting of thousands of individual pieces of precision equipment.

About ACOEM Ecotech:

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