

1 ECS CORPORATE PTY LTD

Environmental Consultancy Services (ECS) has rapidly developed a reputation as one of Australia's foremost independent environmental consultancies, offering business and industry an extensive range of emission management services.



Since commencing operations in 1997, ECS has grown substantially to become Australia's largest consultancy in environmental monitoring and sampling. Our expertise in Air Emission Sampling, the traditional focus of ECS, is recognised nationwide and the high degree of repeat business awarded to ECS from Australia's largest industries is recognition of the quality and technical rigour of our environmental services.



Under the ECS Corporate banner, ECS expanded and diversified in the early 2000s into three definitive client service groups that are fully integrated to provide an incorporated array of environmental monitoring, consultation and instrumentation services. ECS Stack, ECS Assist and ECS Instruments.

ECS recognises that our clients need us to find solutions, rather than just define problems, and we are fortunate in being able to call upon considerable industrial and academic experience from within the combined ECS group. The philosophy of ECS Corporate Pty Ltd is to provide our clients with the expertise and resources to manage their environmental needs efficiently and professionally.



ISO Certified Organisation
Number: 8427

2 ECS ASSIST PTY LTD

ECS Assist provides consulting, planning and project management services to our clients that enable them to confidently make decisions and direct their environmental requirements. As the name “Assist” implies, our main aim is to provide our clients with the support and services to ensure their goals are reached without compromising their own operations.



The professional staff within ECS Assist have the knowledge and experience to manage all the clients’ environmental needs, from predictive emission modelling, risk assessments, sampling and analysis to project management. ECS Assist services include:

- Environmental Project Management
- Continuous Emissions Monitoring Systems (CEMS) Audits
- Environmental Licence Audits
- National Greenhouse & Energy Reporting (NGER)
- Predictive Emission Modelling (Ausplume, CALPUFF, TAPM etc)
- National Pollutant Inventory (NPI) reporting
- Dust Dispersion Modelling
- Risk Assessments
- Air Quality Assessments
- Odour Impact Assessments
- EPA Regulatory Reporting
- Environmental Management Plan Audits
- Compliance Management Programs
- Research and Development Projects
- Quality & Environmental Systems Audits

ECS is as experienced working with major international organisations, as with smaller-sized groups. We can suggest practical, economical solutions that will enable clients to maintain production and work within their current emission limits.

Staff at ECS Assist have undergone extensive formal training and are qualified in the following areas;

- USEPA approved CALPUFF Plume Dispersion Modelling
- Ausplume Dispersion Modelling
- CASANZ Advanced Stack Monitoring
- NCSI Quality Management Systems Auditor: Lead Auditor
- SQL / Oracle Database Management
- SAI Global - Implementing and Maintaining Environmental Management System
- SAI Global - Advanced Greenhouse Gas Compliance
- SAI Global - Lead Auditor in Environmental Management Systems

3 **ECS STACK PTY LTD**

ECS Stack Pty Ltd is the leading company in the specialty field of Source Emission and Ambient Air sampling and analysis. We provide our services to industrial organisations that have requirements for a high level of service and quality, conducted in manner that is efficient and cost effective.

ECS Stack offers a range of air emission sampling and test methods including USA Environmental Protection Agency (USEPA), Australian Standards and various state EPA methodologies. In the last twelve years ECS Stack has performed sampling projects covering a broad spectrum of the manufacturing, mining, resource, agricultural and chemical industries, both nationally and internationally. The types of projects ECS Stack is typically involved in include;

- Licence Compliances
- Emission Inventory Programs
- Pilot Plant Studies
- Process Commissioning & Investigations
- Plant Upgrades
- Research and Development Projects
- Odour Sampling
- Ambient Air Monitoring
- Continuous Emissions Monitoring Systems (CEMS) Correlations
- Fourier Transform Infra-Red (FTIR) Spectroscopy



ECS has developed Quality Management and reporting systems which lead the world in our field. Methodology used for performing our tasks is based on the USEPA sampling methods. Our staff members have been trained in the USA in Source Emission Monitoring and have gained certificates from the North Carolina State University in Raleigh North Carolina as part of our professional development program. We are committed to surpassing quality standards, this is why ECS has implemented and been appointed AS/NZS ISO 9001:2008 Quality Management System Certification and NATA Accreditation to ISO / IEC 17025.

The unmatched capacity of ECS Stack coupled with a company-wide focus on client satisfaction makes no project too large, too small, or too remote.



NATA Accredited Laboratory
Number: 14778

4 **ECS INSTRUMENTS PTY LTD**

ECS Instruments provides the world's leading Continuous Emission Monitoring System (CEMS) instrumentation and equipment to our clients that are 'fit for purpose'. We seek technologies that meet the requirements of our clients and provide solutions for challenging environments.



Combining the best available equipment from around the world we provide the most sophisticated and reliable instrumentation ranging from individual portable emission analysers to sophisticated 'turnkey' networks. With our extensive calibration and servicing experience we are able to provide ongoing quality assurance programs that assist in the measurement and collection of the highest quality data.

Our philosophy is two-fold:

- the provision of state-of-the-art equipment and instrumentation
- total commitment from project conception to implementation and beyond

ECS Instruments can call on experience and resources from the ECS Corporate group to assist the client in the implementation of monitoring systems that not only meet the intent of the methodology, but also produce data that is reliable.

In addition, ECS Instruments has a full suite of services available to clients to ensure the ongoing integrity of the data. These services include:

- System Implementation/Commissioning
- Training
- Servicing
- Calibration
- Service Contracts
- Equipment Leasing