



TOGETHER

ECOTECH'S MAGAZINE ABOUT ENVIRONMENTAL MONITORING

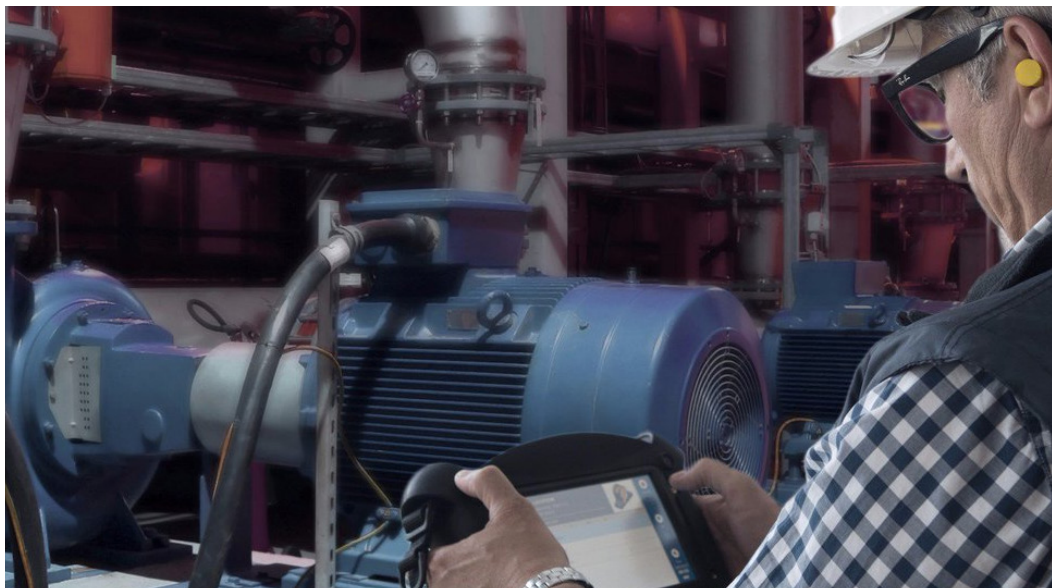
2020 Issue 8

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TOGETHER WE CREATE SOLUTIONS
THAT SHAPE THE FUTURE



ACOEM Group



Condition Monitoring & Laser Alignment Team form ACOEM Smart Industry

About ACOEM Smart Industry: Based in Adelaide, South Australia, ACOEM Smart Industry specialises in conditioning monitoring, helping companies avoid premature machine failures, identifying any anomalies early, and providing expert advice to mitigate risks.

Our team has more than a decade's experience servicing the industrial and mining sectors, providing effective and efficient reliability solutions for machinery and equipment.

ECOTECH ACOEM Group is now helping to shape the longevity and sustainability of industrial and mining machinery across Australia and the Asia-Pacific region with the integration of Statewide Bearings Plus' (SWB Plus) Condition Monitoring & Laser Alignment team into its business.

As of 1 July 2019, the Condition Monitoring & Laser Alignment team of SWB Plus became a part of ECOTECH ACOEM Group. Based in Adelaide, South Australia, SWB Plus' Condition Monitoring & Laser Alignment team has been responsible for the distribution of ACOEM's ONEPROD condition monitoring and FIXTURLASER laser alignment products for several years. Their highly skilled technicians work expertly with ACOEM instruments to provide extensive reliability consultation, correction and advisory services.

A further expansion of smart industry solutions by ACOEM for customers worldwide

In a move that further reinforces its global synergies with parent company ACOEM Group, ECOTECH ACOEM Group

has brought the Condition Monitoring & Laser Alignment team on board to diversify further into the industrial and mining sector with predictive and reliability solutions. The move also brings ONEPROD and FIXTURLASER product distribution back in-house, while also supplying products manufactured by Connection Technology Center (CTC).

Building on SWB Plus' business strengths and market leadership position, the newly formed Smart Industry team will be headed up by ACOEM Australasian Reliability Manager Stephen Read, who has come across from SWB Plus. Stephen brings many years of condition monitoring expertise to his role. He will be supported by his current staff members to ensure that the transition from SWB Plus to ACOEM is seamless to its existing customers.

Maximise the reliability of machine assets

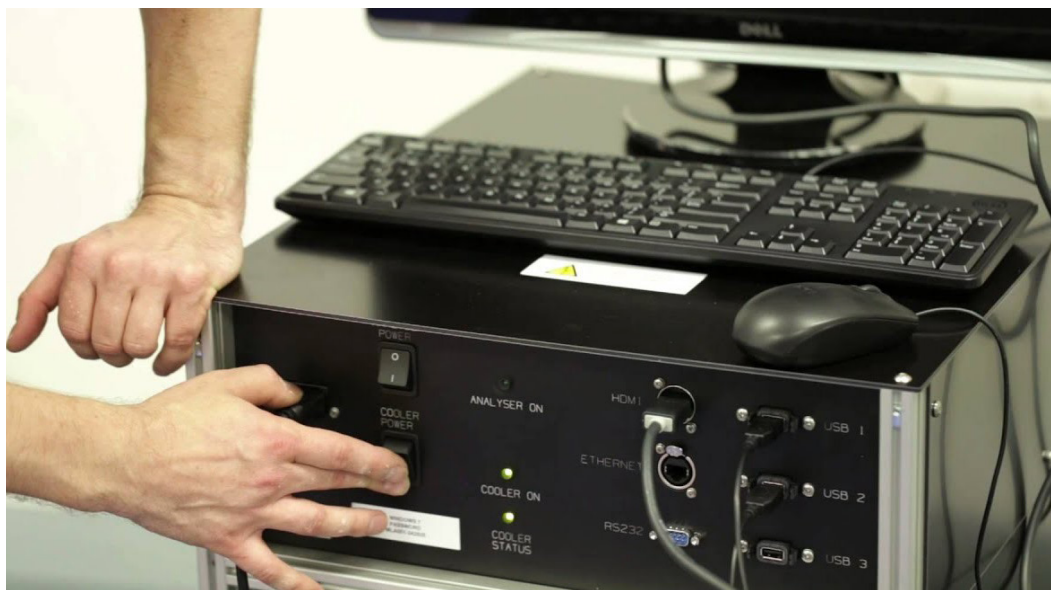
"With offices in Adelaide, Brisbane, Melbourne, Perth and Sydney, we are looking forward to servicing industrial and mining customers under the ACOEM business name," said Stephen.

"We are committed to adding value for our customers by supplying the highest quality condition monitoring and alignment instruments. We help companies avoid premature machine failures in critical equipment by identifying any anomalies early, rectifying them and ensuring that potential damaging situations do not occur in the first place," he added.

"We welcome the addition of smart industry solutions to our Australian operations," commented James Agius, ECOTECH Managing Director. "The SWB Plus team has garnered an exceptional reputation in the reliability industry and we are confident that it will become an integral part of ECOTECH's business across Australasia," he added.

To find out more, please visit www.ecotech.com/smart-industry or contact Stephen Read at stephen.read@acoem.com or +61 (0)488 915 556 

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**Highly skilled
technicians
work expertly
with ACOEM
instruments
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and advisory
services.**
”



Spectronus™ FTIR Analyser Gains ICOS Approval for Measurement of Greenhouse Gases

About ICOS: ICOS is an international organisation of twelve European member countries and over 130 greenhouse gas measurement stations aimed at quantifying and understanding the greenhouse gas balance of Europe and neighbouring regions.

Source: icos-ri.eu

The Spectronus™ is now network approved by the Integrated Carbon Observation System (ICOS) as an ICOS compliant greenhouse gas (GHG) analyser.

For the first time, scientists in Europe now have a clear choice when it comes to using an ICOS compliant instrument to measure GHG.

Spectronus™ – Part of a sustainable greenhouse gas observation system

ICOS Research Infrastructure was created to establish a sustainable greenhouse gas observation system that would provide a framework for high quality climate change research and increase the usability of research data. The organisation is made up of 12 European countries and over 130 greenhouse gases measuring stations across the continent.



According to Dr Christopher Caldw from ICOS Laboratoire des Sciences du Climat et de l'Environnement (LSCE) in France "the Spectronus™ measures a comprehensive suite of greenhouse gases and isotopes whilst being very stable, robust, user-friendly and powerful. You can customise measurement tasks to optionally sample from four different inlets, and may utilise an in-built Nafion membrane and magnesium perchlorate drying agent to remove water vapour prior to analysis."

The next generation of greenhouse gas analysing instruments

The Spectronus™ has continued to evolve and be upgraded with guidance and input from Prof. David Griffith. This includes ongoing research and development to introduce a next generation Spectronus™ that is different but complementary to the current model.

"We are testing a more compact version of the instrument that will have the ability to fit comfortably within a standard 19-inch instrument rack," said Grant Kassell, ECOTECH Research, Development & Engineering Manager.

"The rack mounted Spectronus™ will have the same precise internal instrumentation as the current model, and will use less power without compromising on measurement accuracy."

The Spectronus™ is backed by ECOTECH's expert service and maintenance. ECOTECH also offer comprehensive training to ensure Spectronus™ users receive the best possible advice and support for their instrument.

One instrument for measuring many gas species

Spectronus™ is the only trace gas analyser with the ability to make real-time, high precision measurements of multiple gases and isotopes simultaneously; all within the single instrument. It accurately detects and quantifies nitrous oxide (N₂O); methane (CH₄); carbon monoxide (CO); carbon dioxide (CO₂); carbon 13 isotope (δ¹³C) and oxygen 18 isotope (δ¹⁸O) in carbon dioxide.

"Spectronus™ is the only trace gas analyser to with the ability to make real-time, high precision measurements of multiple gases and isotopes simultaneously."

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The Spectronus™ is the only trace gas analyser that can make precision measurements of multiple gases and isotopes simultaneously.

FTIR Spectroscopy for a variety of applications

Fourier Transform Infrared Spectroscopy (FTIR) is a well-established broadband technique which covers the whole infrared spectrum, enabling simultaneous measurements of multiple trace gases with low noise and high precision.

The ICOS network and other research agencies can now benefit from ease of measurement for a variety of applications including tall tower, N_2O soil flux and continuous, long-term, unattended stations.

Spectronus™ can control a complete air quality monitoring system. With an external manifold for sampling on a tall tower, the Spectronus' settings can control the manifold to open and close valves in the sequence of the user's choice. Meteorological sensor data can also be logged to obtain a holistic view of the environment's air quality.

More than 40 years of environmental monitoring expertise

ECOTECH has a long and proud history of working with the research community and industry to provide effective ambient air monitoring solutions. Established in Melbourne, Australia, ECOTECH now has offices in France, the UK and Sweden, with greater European expansion planned in future.

ECOTECH Spectronus™ is currently used by ICOS groups in France (Saclay, LSCE), Finland (a travelling Spectronus™, FMI), Germany (MPI), UK (Weybourne, UEA) and The Netherlands (Cabauw).

“Being ICOS network approved as an ICOS compliant greenhouse gas analyser is a huge step forward for Spectronus™ and FTIR technology,” commented Felicity Sharp, Head of ECOTECH Europe.

“It is the culmination of decades of work by Prof. David Griffith and his team at the University of Wollongong and we are proud to be partners in this journey.”



Spectronus™ can control a complete air quality monitoring system

For more information about the ICOS compliant Spectronus™ please contact Michael Zeng at michael.zeng@acoem.com 

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Being ICOS network approved as an ICOS compliant greenhouse gas analyser is a huge step forward for Spectronus™ and FTIR technology
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No Short-Cuts to NATA Accreditation for the 01dB Calibration Centre in Melbourne

ECOTECH Service Engineer, Naseem Turquieh, testing a 01dB FUSION smart sound & vibration analyser at the only NATA accredited 01dB Calibration, Service & Repair Centre in Australasia.

ECOTECH can lay claim to many firsts in the field of environmental monitoring, but when it opened the 01dB Calibration, Service & Repair (CSR) Centre in Melbourne late 2018, it was the culmination of more than 12 months of intensive research, preparation, testing and validation.

Our people are our strength

The credit to gaining NATA accreditation for the calibration element of the facility largely goes to two of ECOTECH's dedicated team members – Technical Coordinator, Anthony Knoepfle and Service Engineer, Naseem Turquieh.

Together these two technical specialists overcame a multitude of challenges to create a service centre that meets both NATA ISO/IEC 17025 and strict international IEC 61672-3 acoustic standards for 01dB sounds level meter calibration, service and repair – the only one of its type in Australasia.

Naseem's extensive background in mechatronic engineering provided a solid foundation for this project, whilst Anthony's expertise in automated calibration processes for air quality sensors, gas analysers and blast monitoring microphones proved invaluable.

Better together – ECOTECH & 01dB

Naseem's knowledge of the 01dB system was greatly enhanced by visiting the 01dB global headquarters in Lyon, France. Here, he undertook extensive training in order to replicate the French 01dB system and process back in Australia. The result was that now ECOTECH uses the identical hardware and equipment used by the manufacturer. All of the same systems used in France were imported into Australia to set-up the centre.

A key element setting the calibration centre apart is the proprietary automated software, designed by 01dB to interface with hardware and 01dB devices. All communication, testing and validation is performed seamlessly with 01dB equipment. The software manages and aggregates data from over 100 different complex tests, including frequencies, weightings and amplitude.

01dB sound measurement devices, such as the DUO, can now be calibrated at the NATA accredited CSR Centre in Melbourne, Australia



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Precision without compromise

As part of the centre set-up, ECOTECH has developed a stringent set of procedures, forms and training which were incorporated into its quality and document control system. These are strictly adhered to in order to maintain NATA accreditation.

In the initial set-up phase, it was essential to ensure that the centre was located in an area that was isolated from external noise or vibration interference. Developing an environment that had minimal external interferences was critical to safeguard the accuracy and precision of instrument calibration.

All instruments are checked and then calibrated using a complex multi-step process. The sound level meter acoustic response is verified using an electrostatic actuator and a reference function generator as the standard.



"The 01dB Calibration, Service & Repair Centre is just one example of the way that ECOTECH and 01dB are working together to leverage opportunities for greater learning and collaboration that directly benefit our customers in the region," said Technical Coordinator, Anthony Knoepfle

The instruments electrical response is verified using a reference signal input from a function generator and attenuator to simulate the sound behaviour using an equivalent electric signal. All test equipment is regularly calibrated using NATA accredited laboratories which are traceable to national standards.

Proficiency testing was performed at the government-run National Measurement Institute, Australia's peak measurement body responsible for biological, chemical, legal, physical and trade measurement, to ensure accuracy, compare results and investigate any differences.

Maintaining the highest standards

After a year of preparation and exhaustive testing, the 01dB CSR Centre received its accreditation. To maintain continuity of the highest possible standards of calibration and services, NATA will monitor the facility with surveillance checks every 18 months and re-accreditation audits every three years.

For more information about the ECOTECH 01dB CSR Centre, or other ECOTECH calibration services, contact Horacio Viana on +61 (0)3 9730 7800 or calibrations.ecotech@acoem.com 

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A key element setting the calibration centre apart is the proprietary automated software, designed by 01dB to interface with hardware and 01dB devices.
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Customer Dialogue Starts Collaborative Solutions

The Serinus® gas analysers include a sample filter and a flow-block. By working together with end-users, solutions were created to optimise these part's performance.

New, simple and user-friendly. This was the brief the ECOTECH Technical Service team received to update the design of the sample filter, which is a critical component in every Serinus® gas analyser.

Common occurrence triggers a redesign

The sample filter is a particulate filter of 5-micron, or five millionths of a metre, filtration size. It is used in all Serinus® gas analysers to remove particles, larger than 5-micron, which could interfere with the instrument's sample measurement. The original design worked well, however, user feedback from customers highlighted a design improvement opportunity that would make it significantly easier to remove the sample filter during service.

The materials used in the construction of the sample filter are delicate. Any redesign would need to adequately protect the filter and ensure performance equal to, or better than the current design it would replace.

The new design of this Serinus® component also had to save the customer valuable time in servicing and maintenance.

Customers included in constant improvement

ECOTECH reached out to customers who had difficulties removing the sample filter during service, and were encouraged to test the alpha prototypes. These same customers became a part of a collaborative process to improve the design.

The final design, now available to all Serinus® gas analyser customers, was a direct result of this collaboration. ECOTECH distributors and end-users commented that they liked the new design, and enjoyed being part of the development process.

“Listening to customers was a key part of the redesign process for the sample filter and flow block. They’re the ones who are using Serinus® instruments on the front line. Invariably, they are in the best position to give us the most valuable feedback on how to make the Serinus® gas analyser even better,” commented James Merry, ECOTECH Production Engineer.

Engineered from existing materials

Re-engineered to be serviceable, the “flow block” part went through a similar improvement process. The flow block is part of the optional internal pump setup in Serinus® gas analysers.

To maintain a stable sample flow in the instrument, the flow block provides constant flow measurement, used as feedback to the pump control system. An environment with a high level of dust in the air could be hard on this part. Engineered from existing materials already in stock at ECOTECH’s manufacturing facility, design improvements to the new flow block aimed to not only increase usability, but also to encourage sustainability and reduce unnecessary waste.

Learn more about the full range of Serinus® gas analysers and options, please visit www.ecotech.com/serinus or email ecotech@acoem.com 

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**The new design
of this Serinus®
component
had to save
the customer
valuable time
in servicing and
maintenance.**
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ACOEM Scales Up Air Monitoring Capabilities with Acquisition of Dynoptic Systems & Tunnel Sensors

About Dynoptic Systems:
A recognised specialist in the design and manufacture of high technology instrumentation for gas and air quality monitoring, Dynoptic Systems offer an innovative range of opacity, dust, particulate and smoke monitors to suit a variety of continuous gas emission applications such as boilers, filter bag houses, incinerators and other industrial and marine processes.

ECOTECH's parent company, ACOEM Group, has broadened its technical expertise and market presence in air and gas monitoring following the acquisition of Dynoptic Systems Ltd, a specialist manufacturing company that designs and produces a range of continuous emissions monitoring sensors and instruments.

The acquisition includes Dynoptic Systems' subsidiary business, Tunnel Sensors, a world leader in tunnel atmosphere monitoring equipment.

ECOTECH already has a long-standing relationship with Dynoptic Systems and Tunnel Sensors, as its exclusive distributor in Australia. ACOEM's acquisition now brings these two businesses closer together under the ACOEM Group of companies.

As smart cities demand more proactive and integrated environmental solutions, ACOEM Group has acted quickly

in its response to the growing global demand for specialist environmental monitoring technology and instruments, and to bring together air, noise and vibration monitoring solutions as one complete offering. This expansion of the group's expertise will continue as technical capabilities in innovation, design and manufacturing evolve and further advances are made in artificial intelligence technology.

Fabien Condemine, ACOEM CEO, commented, "ACOEM has taken a deliberate step towards becoming a single-source provider of integrated environmental monitoring systems and services to address the growing and future demand for these highly specialised instruments."

As the world increasingly turns to underground road tunnel networks to support infrastructure planning, tunnel monitoring is seen as a core capability to support the ACOEM Group's smart cities strategy. Tunnel Sensors is leading the world in the specialist field of tunnel monitoring, with its sensors currently installed in famous road tunnels such as the Mont Blanc Tunnel linking France and Italy, Tunnel du Chat in France and the Dublin Port Tunnel in Ireland.

In Australia, Tunnel Sensors been used for many years by ECOTECH to measure air quality and movement locally and has been installed in numerous projects including the M5 East and the newly opened WestConnex motorway in Sydney. As the road tunnel infrastructure boom continues in Australia, Tunnel Sensors will become an increasingly in demand provider of essential air quality monitoring solutions.

Paul Jones, Dynoptic Systems managing director, says, "Joining forces with ACOEM Group allows Dynoptic Systems to accelerate its research and development, and deliver new technologies that meet the needs of customers seeking the highly technical solutions required to monitor and control their urban environments."

Dynoptics Systems brings 40 years of experience, offering a depth of knowledge and a strong industrial product focus to the ACOEM Group.



*Fabien Condemine,
CEO
ACOEM Group*



*Paul Jones,
Managing Director
Dynoptic Systems Ltd.*

In addition to tunnel monitoring technology, Dynoptic offers an innovative range of opacity, dust, particulate and smoke monitors to suit a variety of continuous gas emission applications such as boilers, filter bag houses, incinerators and other industrial and marine processes.



Viconox™ is the flagship combined NO_x, NO, CO and visibility monitor for road tunnels across the world by Tunnel Sensors.

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Tunnel Sensors technology is installed in hundreds of tunnels around the world, including the 11km Tunnel du Mont-Blanc in the European Alps.
”

Nicholas Dal Sasso, former ECOTECH Managing Director and now CEO of ACOEM Environment, highlights the importance for more proactive and integrated environmental solutions; “The combination of new technologies, access to hyperlocal information and higher expectations from citizens will dramatically change the way we measure air quality in the coming years.”

Mr Jones will remain in his role as the managing director of Dynoptic Systems, working closely with Mr Condemine and Mr Dal Sasso to help the ACOEM Group develop new growth opportunities, initiate further research and development, and accelerate the group’s smart city and smart industry environmental plans.

For more information about Dynoptic Systems and Tunnel Sensors visit dynoptic.com and tunnelsensors.com 



Great Things Come in Small Packages — Introducing Congrego® Lite

ECOTECH released the Congrego® data logger in 2018, a game changer for the environmental monitoring industry. With Congrego® Lite, ECOTECH has included the same superior technology in a more compact, portable unit with a significantly lower price tag.

One year after the release of ECOTECH's ground-breaking Congrego® data logger, ECOTECH added Congrego® Lite to its suite of data logging instruments – offering customers a choice between the full-function capabilities of the original and the new, lower priced compact unit.

Congrego® Lite is the ideal solution for smaller meteorological stations, dust monitoring sites and other applications where there isn't a need for a large number of channels or calibrations. It is also the perfect data logger for tunnels where multiple units can be easily installed to give better spatial resolution and accurate air quality data along the entire tunnel length.

The original Congrego® Data Logger (left) and the new, more compact Congrego® Lite

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Congrego® Lite has been specifically designed for smaller applications with a reduced number of channels (15).
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Congrego® Lite has been specially designed for smaller applications with a reduced number of channels (15). It is 30 per cent smaller and requires less power usage than the original Congrego®.

Congrego® Lite offers the same simple set-up and easy installation with an intuitive and customisable user interface. It fulfils the “traceability of records” requirement of ISO 17025; allows for local or remote control of monitoring instruments; has automated alarms and alerts; works with or without an internet connection, and integrates seamlessly with ECOTECH Airoadis™ data collection, validation & reporting software.



Congrego® Lite is 30% smaller and requires less power usage than the original Congrego®.

“We wanted to give our customers with smaller scale applications or monitoring stations access to the same advanced technology but at a much lower price” said Grant Kassell, ECOTECH Research & Development Manager.

“They now have the option of the full-form Congrego® or the more compact Congrego® Lite. No matter which system they choose their environmental data will always be accessible, accurate and secure at all times,” he added.

Like all ECOTECH products and services, Congrego® Lite is backed by a fully accredited, expert technical support team.

For more information about Congrego® and Congrego® Lite contact email@ecotech.com 



Spectronus™ Co-Creator Professor David Griffith & APM Engineering Exhibited Together at GMT 2019

Professor David Griffith and APM Engineering Co. Ltd, ECOTECH's exclusive distributor in Korea, exhibited at the Meeting on Carbon Dioxide, Other Greenhouse Gases & Related Measurement Techniques (GGMT 2019).

Global distribution partnerships

APM Engineering specialises in air quality monitoring and analysis and has been the exclusive ECOTECH distribution partner in the Korean market since 2016. In addition to championing the range of Serinus® Gas Analysers and Aurora Nephelometers, APM Engineering also distributes the ECOTECH Spectronus™ in Korea.

The Spectronus™ is the only trace gas analyser with the ability to make real-time, high precision measurements of multiple gases and isotopes simultaneously, within the single instrument.

*About APM Engineering:
A Korean company specialising in air quality monitoring and analysing, APM Engineering represents cutting edge products for environmental manufacturers, alongside developing their own instruments.*



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It accurately detects and quantifies nitrous oxide (N_2O); methane (CH_4); carbon monoxide (CO); carbon dioxide (CO_2); delta carbon 13 isotope ($\delta^{13}\text{C}$) and delta oxygen 18 isotope ($\delta^{18}\text{O}$).

Prof. David Griffith, who developed the Spectronus™ in conjunction with colleagues at the University of Wollongong in Australia, joined APM Engineering at their GGMT 2019 exhibition stand between conference sessions. Prof. Griffith is the most experienced Spectronus™ user in the world, and can provide expert insight into the multi-species analyser and its recently acquired Integrated Carbon Observation System (ICOS) approval as a compliant and highly precise technique for measuring greenhouse gases.

Spectronus™ – ICOS network approved as an ICOS compliant greenhouse gas analyser

“The ECOTECH Spectronus™ is now one of only two technologies approved by ICOS for measuring greenhouse gases in its more than 130 greenhouse gas measuring stations across Europe,” said Prof. Griffith.

“The ICOS network and other research agencies around the world can now benefit from the Spectronus’ ease of measurement using Fourier Transform Infrared (FTIR) spectroscopy for a variety of applications including tall tower, N_2O soil flux and continuous, long-term, unattended stations.”

The next generation Spectronus™

ECOTECH and Prof. Griffith are currently working on the 2020 release of the new Rack Mount Spectronus™ which has been designed to fit comfortably within a standard 19-inch instrument rack. The new, more compact version will have the same precise internal instrumentation as the current model and use less power without compromising measurement accuracy.

Highlighting Spectronus™ research projects

Prof. Griffith participated in two panel discussion sessions as part of the GGMT 2019 program: Emerging Observation Techniques including Low-cost Sensors, Remote Sensing and Integration of Observations and Remote Sensing, Ship Measurement and New and Emerging Techniques.



Dr David Griffith presenting at GGMT 2019

He has also co-authored two papers that were presented as poster sessions at the conference, “Five years of $\delta^{13}\text{C}$ (CO_2) measurements from an in situ Fourier transform infrared trace gas and isotope analyser at Lauder, New Zealand” by Dan Smale, Rowena Moss and Gordon Brailsford, and “Trace gas measurements at the U.S. Southern Great Plains DOE Atmospheric Radiation Measurement Facility using an in situ FTIR: lesson learned after a 6-year deployment” by Sebastien Biraud, Ken Reich and Andrew Moyes.

To learn more, please visit ecotech.com/spectronus 

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ACOEM Exhibit at Peak Condition Based Monitoring Conference in Australia

About the CBM Connect Conference: A live event designed specifically for condition monitoring practitioners, reliability engineers, and maintenance managers. From hands-on workshops, interactive learning sessions, and real-life case studies, to the latest technologies featured in the expo, this training conference provides practical learning in the important aspects of industrial condition monitoring technologies and reliability improvement techniques.

Source: <https://thecbmconference.com/learn-about-cbm-connect-conference/>

ACOEM, the global company behind ONERPROD and FIXTURLASER industrial solutions introduced its new Smart Industry team at the CBM Conference & Exhibition in Melbourne, November 2019.

Creating smarter, more integrated solutions

In July 2019, the Condition Monitoring & Laser Alignment team of Statewide Bearings (SWB Plus)– which had been the exclusive distributor of ACOEM's ONEPROD condition monitoring instruments and FIXTURLASER laser alignment products, as well as Connection Technology Center (CTC) components – became part of the ACOEM Group, forming the new ACOEM Smart Industry team.

The move to bring the Smart Industry team in-house and provide extensive reliability consultation, correction and advisory services has cemented ACOEM's position in the Australian market. It has allowed for further expansion and diversification into the industrial and mining sectors with leading predictive and reliability solutions.

Global expertise with a local presence

Australian and Asia-Pacific customers now have direct access to ACOEM's global asset management expertise and unsurpassed technical support for ONEPROD condition monitoring and FIXTURLASER laser alignment instruments.



Stephen Read



Patrice Pischedda

As sponsors of CBM CONNECT in Melbourne, ACOEM Australasian Reliability Manager, Stephen Read (left) and ACOEM Asia Managing Director, Patrice Pischedda, provided deeper insight to visitors about ACOEM Smart Industry's current offerings and future plans.

Optimising asset management for critical machinery

As part of the conference program, Patrice Pischedda and Bruno Fouille gave presentations on the use of smart wireless sensors and artificial intelligence in Industry 4.0 critical asset management.

"As our focus shifts from providing products to offering value-added, fully-integrated services, we will be concentrating on helping customers access smart industry solutions through remote diagnosis, smart sensor technology and enhanced data monitoring," said Patrice.

"Connecting with industry at CBM Connect and sharing our vision for the future of optimising asset management and reliability was an integral part of developing ACOEM Smart Industry in Australia," he added.

To learn more about ACOEM Smart Industry solutions, contact Stephen Read at stephen.read@acoem.com or +61 (0)488 915 556 

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**Connecting
with industry
at CBM Connect
and sharing
our vision for
the future of
optimising asset
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and reliability
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of developing
ACOEM Smart
Industry in
Australia**
”



ACOEM Expands Smart Cities Presence Through Acquisition of Air Monitors Ltd

About Air Monitors Ltd: Air Monitors offer technical support, maintenance, calibration, analysis and reporting services in addition to the sale or hire of monitoring equipment from the world's leading manufacturers to environmental professionals.

Felicity Sharp (left), who joined ECOTECH in 2006 and has been head of ECOTECH Europe since 2018, will step into the role of Managing Director. Jim Mills (right), founder and current MD of Air Monitors Ltd, was instrumental in the January 2019 implementation of Breathe London, described by the Mayor of London, Sadiq Khan, as “the world’s most sophisticated [hyperlocal] air quality monitoring system”.

ACOEM Group has accelerated its international expansion plans with the acquisition of Air Monitors Ltd, the exclusive distribution partner of ECOTECH products in the UK.

Air Monitors Ltd represents many of the world’s leading environmental technology manufacturers, and is recognised by leading government and industry bodies for its expertise in air quality monitoring technologies that help determine the impact of pollution dispersion.

ECOTECH has had a relationship with Air Monitors Ltd for more than 20 years, leading to its exclusive distribution partnership.

The business expansion allows ACOEM, now reaching more than 100M€ turnover, to continue its mission of protecting the environment using a complementary air, noise and vibration product portfolio, and deep expertise in delivering significant projects that help smart cities, companies and public authorities reduce their environmental impact.



Air Monitors Ltd has expertise in air quality monitoring technologies that help determine the impact of pollution dispersion.

An ACOEM UK subsidiary in London will be established with the Air Monitors Ltd teams. Felicity Sharp, who joined ECOTECH in 2006 and has been head of ECOTECH Europe since 2018, will step into the role of managing director.

Air Monitors Ltd founder and managing director Jim Mills will work closely with the new subsidiary as part of the ACOEM team, continuing to build on the smart cities strategy for the organisation globally.

Learn more at airmonitors.co.uk 

“
[Breathe
London is] the
world’s most
sophisticated
[hyperlocal]
air quality
monitoring
system.”

Sadiq Khan
Mayor of London

“
I am confident
that James’
new role will
see him take
the company
to new heights
and further fulfil
the aspirations
my father had
when he created
ECOTECH over
40 years ago.
”



James Agius



Nicholas Dal Sasso

Ushering in a New Era with Key Leadership Changes

As of October 2019, a new era in management began for ACOEM Environment and ECOTECH, with James Agius becoming ECOTECH Managing Director, and Nicholas Dal Sasso becoming ACOEM Environment Division CEO.

ACOEM Group, ECOTECH’s parent company, is consolidating its global business structure and strengthening its two major divisions – Environment and Maintenance.

ACOEM Environment is a special division of the ACOEM Group, a global enterprise committed to sustainable development and helping companies and public authorities limit their environmental impact. The division brings together respected leaders in the fields of environmental monitoring – ECOTECH and o1dB – creating the first globally integrated offering of products and services across noise, vibration, air, dust and water pollution monitoring.

Following recent acquisitions in July and September 2019, ACOEM's Environment Division has expanded and now encompasses ECOTECH, o1dB, Air Monitors Ltd as well as tunnel monitoring specialists Dynoptic Systems and Tunnel Sensors, both based in the UK.

After nine years as ECOTECH Managing Director, Nicholas Dal Sasso has been appointed as the inaugural CEO of ACOEM Australia.

"Nicholas has demonstrated his exceptional skills and talent as a strategic leader and his new role is a testament to his outstanding contribution to both ECOTECH and ACOEM as a whole," commented Fabien Condemine, ACOEM Group CEO.

"Under Nicholas' leadership, ACOEM's Environment Division will continue to innovate and find dynamic ways to help customers measure and significantly reduce their environmental impact," he added.

James Agius, former Global Head of Sales & Marketing, became the new ECOTECH Managing Director.

"James is a natural leader who empowers others and is committed to growing and strengthening the market position of ECOTECH ACOEM Group on a global scale," said Nicholas.

"I am confident that James' new role will see him take the company to new heights and further fulfil the aspirations my father had when he created ECOTECH over 40 years ago."

Both Nicholas and James will continue to be based at the ECOTECH ACOEM Group head office in Melbourne, Australia.

For more information please visit www.ecotech.com 

“
Nicholas has demonstrated his exceptional skills and talent as a strategic leader and his new role is a testament to his outstanding contribution to ECOTECH and ACOEM.
”

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SOLUTIONS
THAT SHAPE
THE FUTURE

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