

WIND ENERGY

As a leading provider of environmental monitoring systems, Ecotech has developed a full suite of products and services for the wind energy sector.

As wind energy continues to grow there is an increasing need for meteorological data which is accurate and certified.

Energy generated by the wind is a cubic function of wind velocity, so an error of 5% in the recording of wind speed can result in errors of 15% in energy capture projections. Therefore routine maintenance and calibration of sensors is critical in maintaining sensor accuracy.

We design, install, calibrate, and maintain meteorological instruments, ranging from the humble cup and vane wind speed and wind direction sensors, to the more complex Sodar and Lidar based installations.

Our facilities include a NATA accredited wind tunnel for calibrating wind speed and direction sensors. We also have NATA/ISO17025 accreditation for the operation and maintenance of meteorological monitoring systems.

With over 35 years' experience we have become one of the world's leading providers of environmental monitoring systems.

We operate the largest monitoring network in the southern hemisphere, with close to 400 sites across Australia and New Zealand.



PRODUCTS & SERVICES

We provide a variety of products and services for wind energy and meteorological monitoring including:

Supply & installation

- Wind sensing instruments/monitoring systems.
- Installation of wind and other meteorological sensors on towers.
- Engineered and certified met masts to 100m.
- Advanced riggers for site work.

Calibration

- NATA calibration of wind sensors in our wind tunnel.
- Repair and/or replacement of wind instruments onsite.

Reporting

- Daily data collection, flagging and verification services.
- Weekly site status reports.
- Monthly raw and processed data feeds.

Communication

- Self-serviced web portal for customers.
- 3G telecommunications network.

Maintenance

- Routine maintenance and breakdown services.

Sensors & data loggers

We also supply and service a wide range of sensors and data loggers including Vaisala, Met One, Vector, RM Young, Campbell Scientific, Riso, Kanomax and NRG Systems.

WIND TUNNEL

Ecotech has NATA/ISO17025 accreditation for providing wind sensor calibrations and is able to offer this service for a wide range of wind sensors in our in-house CSIRO designed wind tunnel.

We calibrate all makes and models of conventional vane anemometers, hot wire anemometers, cup anemometers, pitot tubes and manometers. Both low and high speed calibrations are also available.

Our current customers include:

- Environmental protection authorities
- Air conditioning industry
- Construction
- Environmental researchers
- Wind energy sector.



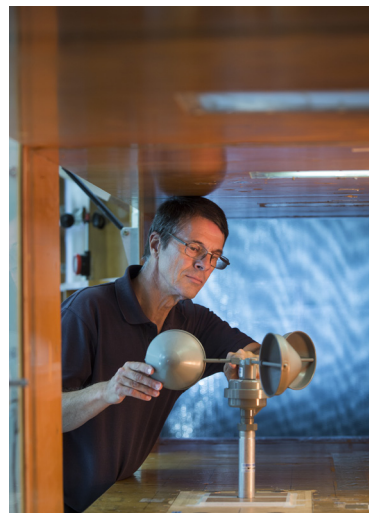
ABOUT US

We operate the largest network of monitoring systems in the southern hemisphere and export to all parts of the world including Asia, North and South America, Africa and Europe.

With over 35 years' experience we have become one of the world's leading providers of environmental monitoring systems.

As a supplier of choice, we provide customers with environmental monitoring solutions by:

- Offering complete solutions using the best available products and services aimed at exceeding our customers' requirements.
- Partnering with customers and suppliers to develop long-term and mutually beneficial relationships.
- Undertaking research and development to ensure continuous product, process and service innovation.
- Attracting and retaining passionate, knowledgeable and resourceful staff.
- Collaborating with industry, regulatory and community groups to develop standards, regulations and social awareness.
- Committing to safety, quality and the environment.



For your local certified distributor visit:

www.ecotech.com/distributors

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