

SOLUTIONS FOR WIND TURBINES

PRODUCT AND SERVICE PORTFOLIO

ACIDA offers manufacturer-independent expertise for the technical monitoring and condition diagnosis of wind turbines. Our experience in the diagnosis of complex drive trains is our strong point. Have ACIDA ensure the reliability and availability of your plants. We offer a complete range of monitoring technology, tele-service and troubleshooting measurements.

The new Condition Monitoring System $\mu O.M.M.V$ for the diagnosis of machine vibrations has recently been approved by the Allianz Zentrum für Technik (AZT) for the use on wind turbines. State of the art monitoring of roller bearing and gear box tooth meshing conditions allows for early detection of machine defects.

The $\mu O.M.M.V$ system is delivered in a turn-key fashion and is commissioned and configured by the ACIDA experts according to the AZT standards. The optional tele-service ensures the long-term reliability of the wind turbines monitored by ACIDA.

The monitoring of torque is part of the ACIDA concept, which consist of combining up the vibration diagnosis with the monitoring of the static and dynamic transmission drive load. We are convinced, that the residual life-time of a machine can only be determined reliably using knowledge gained by the monitoring of the torque load collective.

Our proven, industrial standard TTC torque sensors can be used on to the rotor or to the generator shaft. The system $\mu O.M.M.T$ monitors the pre-set threshold values, the transmission dynamics and the torque load collective.

The Health Check is the vibration based condition diagnosis for drive trains. ACIDA carries out mobile vibration measurements and a visual inspections on a regular basis. The Health Check is thus the perfect alternative for wind turbines, which are not equipped with permanent monitoring but nevertheless require condition diagnosis.

Trouble-Shooting and operational measurements are carried out on prototypes, when damage potential rises or purely on a preventive basis. Machine vibrations, torque, flexural modes, temperatures, pressures, displacements and other operational signals are analysed to determine the machine condition.

The results of permanent monitoring via tele-service, periodical Health Checks or operational measurements are presented to the customer in written reports – rapidly and reliably.



Detailed specifications

Datasheet 002e - $\mu O.M.M.T$ Transmission Monitoring
 Datasheet 003e - T.T.C. Torque Sensors
 Datasheet 008e - $\mu O.M.M.V$ Vibration Monitoring
 Datasheet 011e - Health Check Service