



We believe **Fury Technology Ltd** makes the best non-contact rotary telemetry systems available today. Using the latest technology, our system performance, flexibility, and reliability in the harshest environments, is unapproachable by any other provider.

Why Choose Systems by Fury Technology?

Wide Applications for Wind Turbines

Blade Speed, Position, Blade forces, Blade temperatures. Ice build-up monitoring, Blade resonances, Mechanical Strike, Lightning Strike, Vibration, Bearing wear. Gearbox and Shaft torsional and compression forces. Generator and Transformer temperatures and mechanical stresses. View nacelle and machinery internals remotely with video cameras for development applications.

Wide bandwidth Sensor response – to 50kHz (50,000 Hz) – 2MHz (yes – 2000,000Hz) possible.

Wide bandwidth means extreme flexibility in application and sensor types. For example, engineers can see high frequency vibrations caused by resonances and parasitics. These potentially damaging vibrations, which can cause structural fatigue failure, cannot be seen by other monitoring systems which are bandwidth limited.

Real time measurements

Sensor measurements are made continuously in real time at high speed. Our systems do not miss data through slow sampling and multiplexing rates. Many hundreds of channels can be monitored at the same time – there is no reaction delay to transients or high speed incidents.

Superior Non-Contact Rotary Data Couplings

We have designed a range of compact profile rotary couplings, allowing tangential or axial (shaft end) data extraction. Our data couplings use no-contact methods – meaning no wear, noise, or maintenance. Transmission links are wide band, providing up to 1Gbit data flow (depending on method chosen). We offer the choice of optical, radio, inductive, and capacitive coupling links – giving great flexibility in application and cost.

Wide Options for System Interfacing

Interfacing to **IEC61850** and **IEC61400-25** possible via CANbus, Ethernet, RS232 data carriers – you name it – we can do it.

Harsh Environments

Operating electronics in harsh environments - -40 to 135C no problem - we have capabilities to 1000C. 20,000RPM upwards. 95% humidity, high Voltage and lightning resistant. We have many years of experience developing electronics that can survive the worst conditions.

Long Life

Designed for 10 year life. Pre-tested to military specifications and standards. Very high mean time between failure (MTBF).

Radio, capacitive, magnetic, and optical systems available – all designed to work in the most aggressive environments.

Call Fury Technology Ltd: +44 (0)1252 795224

Email: sales@furytechnology.com

Web: www.furytechnology.com