

# Test & Measurement

In our road of increasing service support to industry, Nprime Ltd is now providing a full Test and Measurement services within Europe. The capabilities enhance our expertise using a variety of modular and consumable systems (software and hardware), along with our specialist engineers, a wide variety of clients' solutions can be offered.

## General Data Measurement

- Vehicle instrumentation services
- High channel count applications
- High speed up to 100 kHz sampling rates
- Analogue and digital capabilities
- Strain, Temperature, Pressure, Speed
- Distance, Displacement, Acceleration
- Vibration & Noise
- Rainflow cycle counting

## Noise & Vibration Analysis

- Turbo-machinery solution
- Order tracking & Balancing
- Modal Analysis
- Sound Power and Quality
- Sound Intensity
- Interior and exterior sound analysis

## Short & Long Range Telemetry

- COTS Aerospace Telemetry
- Rotational Collar Telemetry
- Transmitters and Receivers
- Bits Syncs and Decom Units
- Telemetry PCM
- Wireless & Remote Telemetry

## CAE & Test Analysis

- Component Test Measurement Analysis
- Component Analysis
- FE and Optimisation Analysis
- Fatigue and Material testing Analysis
- Data Analysis and Reporting

## Data Monitoring and Automation

- Data Storage, Management & Analysis
- High Channel Data Automation & Visualisation
- Terabyte Files Organisation & Automation
- Metadata and File Extensions Search & Report
- Oracle® & MySQL database supported
- J2EE application server (JBOSS & IBM® Websphere®)

## Turn-Key Engineering Project

- Installation, Verification, Analysis
- Report, Delivery
- "Cloud data" storage, Technical Support



Nprime Limited  
3 Kelham Square  
Kelham Island  
Sheffield S3 8SD  
United Kingdom  
Tel: +44(0)114 2727 868  
Fax: +44(0)870 4299 258  
Web: [www.nprime.co.uk](http://www.nprime.co.uk)  
Email: [info@nprime.co.uk](mailto:info@nprime.co.uk)