



## Thrusting Back The Frontiers

- Wheel bearings of the world land speed record holder, 763 mph!
- Continuous & instant on-board assessment of bearing condition was a must.
- The choice of CM technology was obvious - MHC technology.

# Thrusting Back The Frontiers



## Thrusting back the frontiers when only the best will do

To beat the world land speed record and travel at supersonic speeds Richard Noble put together the best design team, the best support team, the best driver and the best on-board systems.

ThrustSSC holds the World Land Speed Record, set on 15 October 1997, when it achieved a speed of 1,228 km/h (763 mph) and became the first car to officially break the sound barrier.

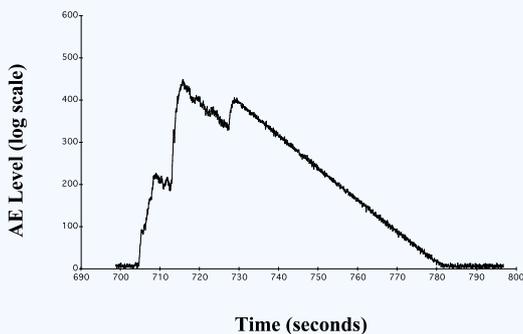
The car was driven by Royal Air Force fighter pilot Wing Commander Andy Green in the Black Rock Desert in Nevada, United States. It was powered by two afterburning Rolls-Royce Spey turbofan engines, as used in British F-4 Phantom II jet fighters. It is 16.5 m (54 ft) long, 3.7 m (12 ft) wide and weighs 10.5 tonnes (10.7 t). The strain on the wheels and bearings would normally be considered excessive and in need of careful attention - *that was certainly the view of the pilot.*

At 763 mph, the safety of Flt. Lt. Andy Green relied upon fault free wheel bearings. Continuous on-board condition monitoring was essential.

Holroyd is proud to have worked with the Thrust SSC team from the drawing board through to its successful runs and supplied AE sensors and AE signal processing to monitor the condition of its wheel bearings.



**AE Level from Thrust SSC wheel bearing**  
- test run up to 379 mph



- They did not specify vibration or VA
- They did not specify oil analysis
- They did not specify wear metals
- They did not specify shock pulse
- At 1228 km/h or 763 mph, over a stone strewn desert and full acceleration from 2 large gas turbines ... they specified MHC technology from Kittiwake Holroyd - proven in action.

Not only is it the fastest Condition Monitoring on earth, its one of the most sensitive and versatile methods available. For truly instant assessment it has to be MHC from Holroyd.

Take a look at our unique MHC technology for yourself.  
To find out more contact :



**Kittiwake Holroyd Ltd** Tel: +44 (0)1629 822060  
Via Gellia Mills Fax: +44 (0)1629 823516  
Matlock  
Derbyshire  
DE4 2AJ

sales@holroyd-instruments.com  
www.holroyd-instruments.co.uk