



# MICHAEL POOLER ASSOCIATES

**Design & Supervision of Industrial, Commercial & Domestic Buildings  
Adjudications • Structural Steelwork & Calculations • Drainage  
Structural Engineering Reports • Foundation Design • Seismic Monitoring**

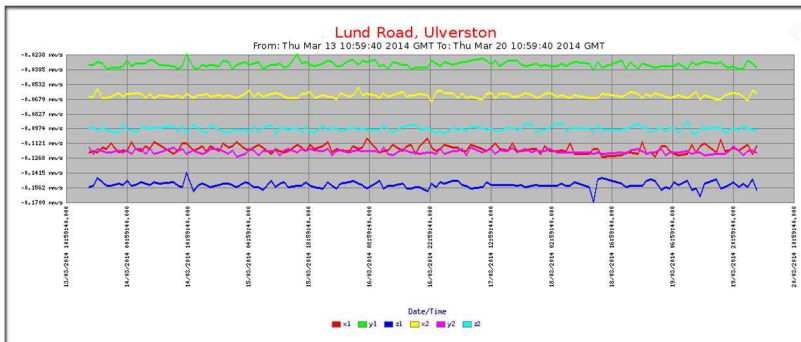
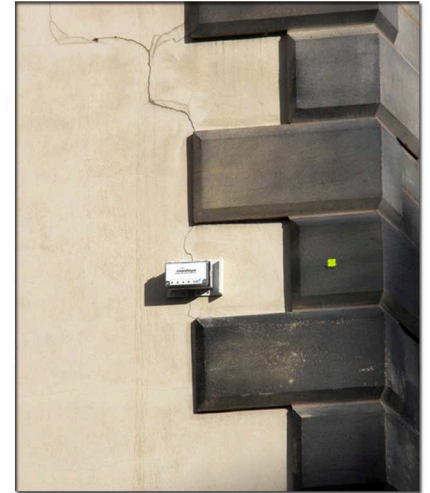
## REMOTE STRUCTURAL MONITORING

Managing a remote structure can be a challenging proposition; an effective method must have the ability to evaluate the structure, respond to unplanned events and communicate the status.

Michael Pooler Associates are able to provide accurate real-time data, allowing for much quicker reaction times to urgent situations, helping to save the client money.

We offer a range of services to provide accurate and effective wireless structural monitoring utilising GSM networks, GPRS and satellite technology.

Michael Pooler Associates remote monitoring systems keeps us connected to distant structures without the need for constant, costly site visits.



**24/7 REMOTE ACCESS**

**REAL-TIME RESULTS**

**INSTANT UPDATES**

**PEACE OF MIND**

Our range of structural monitoring services include;

**Crack Monitoring** - crack monitoring units allow any crack to be measured in both horizontal and vertical directions. The units measure displacement, crack width and temperature, with alert functionality for any movement  $\pm 0.1$ mm.

**Tilt Monitoring** - dual axis tilt monitoring units are accurate to  $\pm 0.5\%$  and are used for a wide range of structural monitoring problems, often alongside our crack monitoring system.

**Vibration Monitoring** - vibration monitoring systems are 'always-on' devices, meaning that if there is a vibration event that is above a pre-set threshold asset managers will know about it in real-time. This is particularly important in site safety situations where high levels of vibration can cause structural failure, especially with sensitive properties and structures.



Consulting Civil & Structural Engineers

