



## ► Stress Measurement & Monitoring



*Measurement in Civil Engineering*



*CSIRO HI CELL*

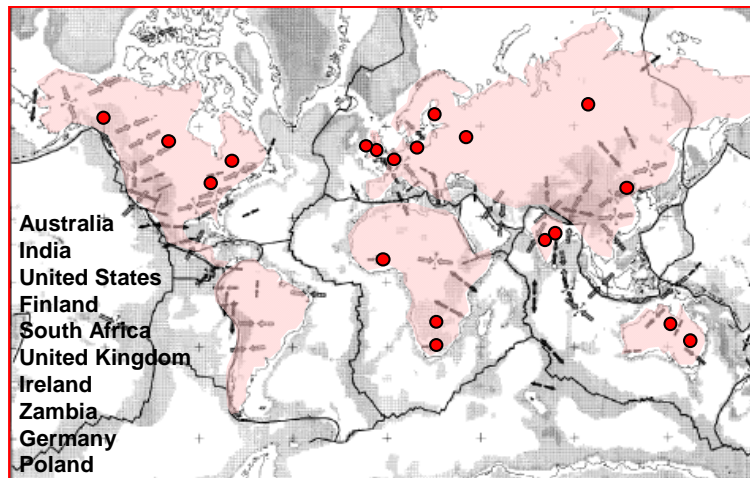


*Measurement in Mining*

Golder RMT has unrivalled expertise in stress measurement using the overcoring technique. Over 400 tests have been carried out worldwide along with more than 100 stress change monitoring installations. The main instrument used is the CSIRO, 12 gauge, hollow inclusion (H) cell. This well proven instrument has been successfully adapted by RMT for use in a wide range of rock conditions.

Using this method, the complete stress tensor can be measured allowing the magnitude and directions of the principal stresses to be obtained from one measurement. In addition to their main use in the mining industry stress measurements can be of great value to Civil Engineers for design verification, and determination of in situ conditions.

- Stress team consists of four experienced engineers backed by our resources.
- Fully equipped with light-weight, compressed air driven drill rigs.
- Unrivalled experience of stress measuring and monitoring worldwide.



- Mining applications include the determination of in situ stress, monitoring of stress change, stresses in pillars and interaction areas, computer modelling verification.
- Civil Engineering applications include measurements in building and dam foundations, tunnels and stressed concrete.
- Continually developing techniques and equipment to ensure high success rates.
- Comprehensive in-house software for results analysis and presentation.

For further information please contact:

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