

Additional Information and Application Details

Expanding the capability and proven record of its predecessor (SP1), the SP2 is the most advanced monitor of its kind worldwide. Whereas SP1 predicted, in one fully documented study giving 18 weeks warning of a collapse in a deep mine with 100% accuracy, data was processed offline remotely.

SP2, having improved on the sensitivity and dynamic range, fully analyses real time within the unit. This gives the user a hitherto unprecedented real time access to live data and conditions occurring in their area of interest.

Various versions of analytical software cover a variety of uses. 2D and 3D versions give the user control over their budget and tailoring to their site needs.

Data can be presented in any number of ways, the most popular are presentation of events on a scaled image or map of the site. Cubic models are used for underground applications.

Interface to IP networks are available as standard enabling where appropriate, information to be accessed remotely. Support and monitoring services can also be provided.

To enable fast, easy installation and use of this instrument, transducers are normally mounted on the surface around the site or down existing bore holes.

Each transducer is tailored to site requirements and can have a range of up to 1km radius.

Large on site activity generating seismic waves can easily be dealt with and do not affect the instruments ability to detect and analyse tiny micro seismic waves which may be thousands of times smaller.

For the mining industry, an advanced software package able to analyse and predict the stability of the mine structure against the rock mechanics model including magnitude of moment tensors.

Security: Due to the specialist nature and world wide demand and market size, it is proposed that this application area will be licensed to a specialist company.

Please contact the office for up to date details on this area.

Contact us:

Magus Monitoring, Head Office and Manufacturing Facility

462 Crewe Road, Wheelock, Sandbach, Cheshire, England, CW11 4QD

Tel: + 44 (0)1270 - 761120 Fax: + 44 (0)1270 - 766626

Opening Hours: Monday - Friday 8.30am - 5.00pm