

GEORADAR DIVISION

IBIS-Rover

Rapid deployment in critical areas.

Integrates with the FPM360 monitoring network



IDS: Innovative Interferometric Radar for Environmental and Civil Engineering Applications

www.idscorporation.com/georadar

IDS
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IBIS-Rover

Application

The IBIS-Rover is the most recent addition to the IBIS family of slope monitoring radar instruments designed to improve safety in open pit mines.

As with other IBIS systems, the IBIS-Rover provides highly accurate real-time measurements of mine wall movements as well as reliable early warning for impending failures, with the added value of high mobility and fast deployment.

The IBIS-Rover is ideal for:

- Rapid installation when urgent active monitoring is required;
- Long-wall open cut operations (i.e. coal strip mining operations);
- All situations where a second radar is required (in-pit installation) in addition to a long-range monitoring system.

Features

- Modular composition tailored to user requirements;
- High mobility and quick set-up;
- Real-time monitoring at ranges of between 50 and 2,500 meters;
- 1 - 3 minutes scan time;
- Alarm generation with user-defined levels and multiple alarm/multiple area criteria;
- Fully geo-referenced output projected visually in a radar view or in high quality DTM, exportable to 3D mine mining packages;
- Robust automatic atmospheric correction;
- Operates in all weather conditions;
- Approximately 15 days of autonomous power;
- Operating temperature between -10°C and +55°C and an optional low-temperature kit which can extend the range to -35°C.

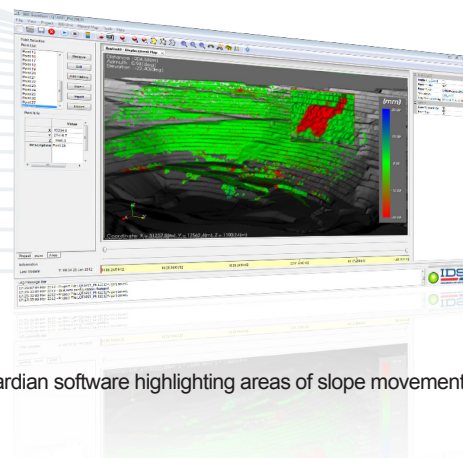


IBIS-Rover features high mobility and easy setup

Benefits

The IBIS-Rover provides all the functions and proven benefits of the IBIS-FM systems as demonstrated by the growing number of mining companies investing in IDS radar:

- Detection of all types of slope instability, from sub-bench failures to large collapses, due to the high spatial resolution and accuracy;
- Ability to integrate multiple radar units with the FPM360 Full Pit Monitoring platform;
- High-in-service availability, low maintenance costs and small power consumption.
- Self-contained and fully integrated system;
- Enlarged field of view of up to 270°, for wider coverage of specific slope geometry at short range;
- Ideal for open cut long-wall operations, small-size pits or where frequent relocation is required.



IBIS Guardian software highlighting areas of slope movement

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