



Slope stability Monitoring system

Long-range rapid scan synthetic aperture radar

Yazd science and technology park, Iran

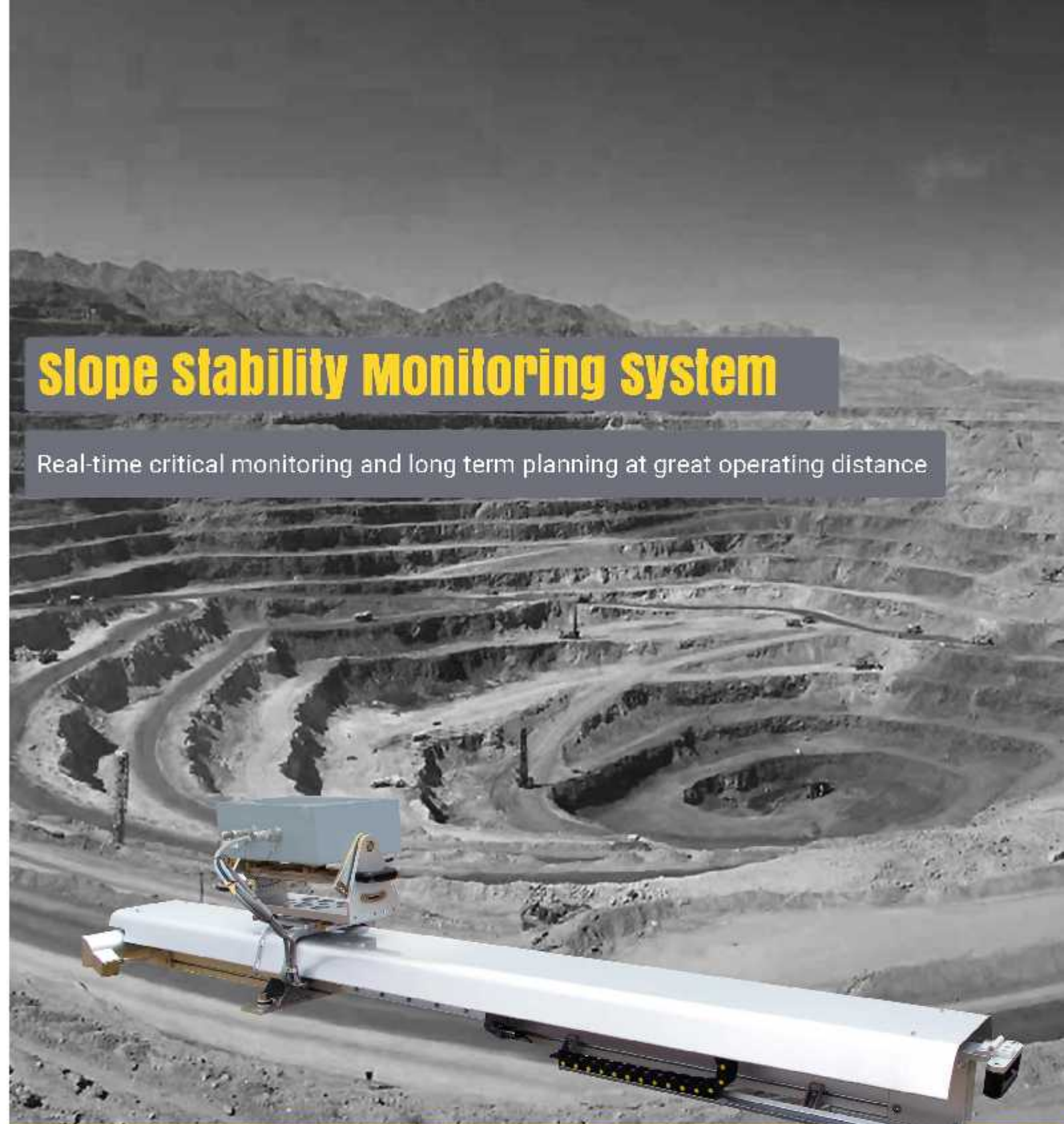
Tel.Fax +98 353 725 5939

info@eris-group.ir

www.eris-group.ir

Slope stability Monitoring system

Real-time critical monitoring and long term planning at great operating distance



Developed in mines for mining with Microsoft HoloLens

Eris's Radar is Synthetic Aperture Radar developed and designed specifically for real-time monitoring of mine walls. We develop Microsoft HoloLens for users. With HoloLens users can see real-time pit data and movement while using Augmented Reality.



Full coverage in time and space

The extremely high resolution and the proprietary multi-scale processing engine ensures that Eris's radar accurately measures multiple scales of displacements ranging from sub-bench to overall slope movements, fast accelerations associated with the risk of collapse (cm/h) and early detection of very slow movements (mm/month) in support of mine planning and mitigation strategies. All in real time.

Slope Stability Monitoring system For Mine



features

Hardware features

- High spatial resolution (0.5 x 4.4m resolution cell at 1000m)
- Long operating range (vfrom 10m to 4500m)
- Rapid scan time (3 minutes)
- Broad area coverage
- Fully remote operation (wireless radio link)
- Operates in all weather conditions and temperatures

Software features

- Alarm generation with user-defined levels and multiple alarm criteria
- One-touch project setup with automatic geocoding
- Zero delays in data processing and alarm generation, providing a seamless workflow for immediate user reaction
- 3D interactive data handling and fully georeferenced output

Yazd science and technology park, Iran
Tel.Fax +98 353 725 5939
info@eris-group.ir
www.eris-group.ir