

# MSR

## Movement and Surveying Radar

Our goal is to make your operation as safe and productive as possible. So we design highly complex radar technology that simply does what you need it to do, all of the time. The result is a slope stability monitoring radar that's got what it takes to get you there. That's the power of safety and productivity through accuracy and reliability.

*Effective slope stability monitoring on any scale.*

The MSR is the world's most advanced slope monitoring radar for assessing the stability of mine walls, tailings dams and natural hazards. With the unique ability to extract multiple data points from a single antenna beam footprint, the MSR delivers a high resolution 3 Dimensional point cloud without relying on external mechanisms. That means you get the most accurate slope stability insights every single time.

Capable of covering broad areas quickly, the MSR is the ultimate tool for performing strategic and tactical monitoring on any scale and under any conditions.

*Innovating for a better tomorrow.*

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## ⊕ Flexible Solutions

The MSR's modular and upgradeable building blocks are intended to evolve with your operational and budgetary requirements. The Radar Module is the core of the solution and can be supplied with a variety of power and mounting options.

### OPERATING RANGE



### DEPLOYMENT

Patented non level deployment to within 15° on standard or multiple trailers, vehicle or fixed installations.

### POWER

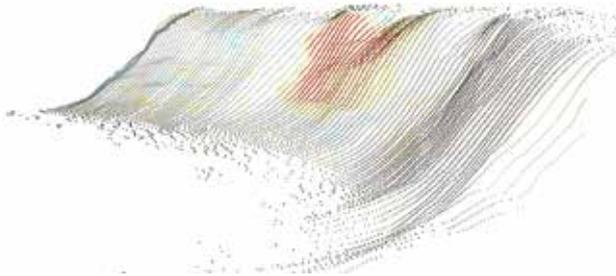
External electricity, battery, generator and/or solar power supply.



## 3D True 3-Dimensional Data

With the highest 3-Dimensional data point spacing on the market, the MSR offers unrivalled quality and detail of movement. A self generated point cloud provides data in range, azimuth and elevation without relying on external mechanisms. This means the MSR can also be used for the ad hoc monitoring or surveying of waste dumps and tailings dams.

ACCURACY: ± 0.1mm under controlled conditions



### DATA POINT SPACING

Operating Range	Range (m)	Azimuth (m)	Elevation (m)
500m	0.5	2.2	0.22
1000m	0.5	4.4	0.44
2000m	0.5	8.8	0.88
4000m	0.5	17.6	1.76

## ⌚ Integrated Dynamic Decision Making

The MSR covers broad areas in only a few minutes, making it the fastest scanning radar system in terms of coverage and range. Radar data along with movement vectors from prisms and extensometers are displayed on the same interface. The result is rapidly identifying changing slope conditions and making better informed decisions. From anywhere in the world. In real time.

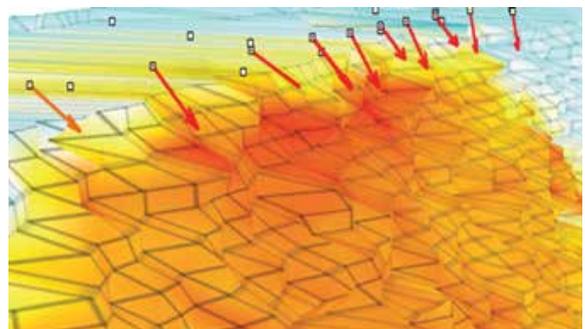
### SCAN TIME



MSR mechanical range 210° x 135°

### SENSOR INTEGRATION

Leica GeoMos, Trimble 4D, QuickSlope and SlideMinder.



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Reutech reserves the right to amend the characteristics of its products at any time.

08/2017

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