MSR Modular

Engineered with modularity in mind

Effective and accurate slope stability monitoring on any scale

The MSR Modular is set apart by its unparalleled flexibility. By using modular building blocks, it allows for a highly customizable solution that can adapt to any situation.

The MSR Modular has a unique ability to extract multiple data points from a single antenna beam footprint, delivering high-resolution 3-Dimensional point clouds with exceptional accuracy and reliability. Unlike other products, the MSR does not rely on external mechanisms to achieve this, providing you with precise slope stability insights, movement, and DTM's every time.

Additionally, the MSR Modular has a remarkable capability to cover large areas quickly, making it the ultimate tool for strategic and critical monitoring on a multitude of scales, in any condition.

Versatility

The key emphasis of the MSR Modular range lies in its modular design, providing a wide range of options for modules, power configurations, mounting choices, and coverage areas, ultimately resulting in enhanced versatility.

True 3-Dimensional data (point cloud)

The MSR covers large 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 imported prisms and extensometers can be 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.

Integrated dynamic decision making

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

Technical specifications

- **Operating range**
  600 m, 1200 m, 2500 m, 4000 m
- **Power supply**
  External electricity, battery, generator and/or solar power supply
- **Mounting options**
  Trailer, vehicle or fixed installation
- **Temperature**
  Standard: -30°C to + 55°C Optional: -50°C
- **Scan envelope**
  Horizontal: -90° to +90°
  Vertical (relative to Horizon): -35° to +90°
- **Scan time**