

## First MSR120 RM deployed



An MSR120 deployed as a permanent fixed installation on a trailer which provides the added option of complete mobility.

the Movement and Surveying Radar (MSR) range of products, and provides the user with all of the Real Aperture Radar (RAR) functionality of its Long Range siblings, but at a fraction of the cost.

When asked to comment on the benefits of the MSR120 RM, Alex Pienaar, regional marketing and sales manager said, "We believe in providing our clients with cost effective solutions without compromising on what we offer in terms of features and functionality. By offering the Radar Module as a standalone option, we are able to cut once-off sales costs as well as recurring service costs."

The MSR120 RM can be mounted on a variety of non-level platforms including a standard light delivery vehicle or trailer. This is the ideal solution for the client who – as part of their monitoring program – requires a radar solution as a fixed permanent installation with the added option of extensive and unlimited mobility. In addition to this, the MSR120

offers significantly faster scan speeds than what is the current norm in all mining applications, higher 3D spatial resolutions and a much greater coverage area even at very short distances.

### PRODUCT HIGHLIGHTS

- Full operational scan from 30 to 1200 meters
- Fastest scan speed.
- Higher 3D spatial resolution
- Non-DTM dependence allows for greater on-site flexibility
- Greater coverage area
- Superior Operational Availability.
- Reduced service intervals
- Minimal number of moving parts.
- Lightweight with a variety of mounting options



Reutech Mining is proud to announce that it recently commissioned the world's first MSR120 Radar Module (RM) in North America. The MSR120 RM forms part of the Short Range product family of

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## Reutech Mining appointed as distributor of SlideMinder In Africa

Call & Nicholas Instruments, Inc., maker of SlideMinder slope movement monitoring and warning system announced that Reutech Mining will be an authorised distributor of SlideMinder products in Africa. The SlideMinder system will be on exhibit at Reutech's stand (E05, Hall 6) at the Electra Mining Africa 2014 Show from the 15th to the 19th of September in Johannesburg, South Africa.



SlideMinder is a wireline extensometer system that continuously measures ground displacement in real-time. SlideMinder can improve coverage and reliability in Reutech Mining's radar slope monitoring systems by augmenting radar technology where changes in topography create undesirable geometry for accurate triangulation typically required by radar systems.

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“We partnered with Reutech Mining's software engineers to integrate SlideMinder data into their 3D radar mapping software. This allows users to see an overlay of the movement recorded by the radar along with the secondary vectoring of the extensometers,” said Josh Lamm, Operations Manager for Call & Nicholas Instruments. “We are pleased with this next phase in our partnership. As an authorised distributor of SlideMinder branded products for Africa, Reutech will help greatly expand our market.”

“For Reutech Mining this is another step in providing quality geotechnical products to our clients. SlideMinder is the global leader in wireline extensometer systems and will therefore support and enhance our network of MSR systems in the African region. We look forward to a mutually beneficial relationship with SlideMinder” says Jan de Beer, Executive Manager for Reutech Mining.

*About Call & Nicholas, Inc.*

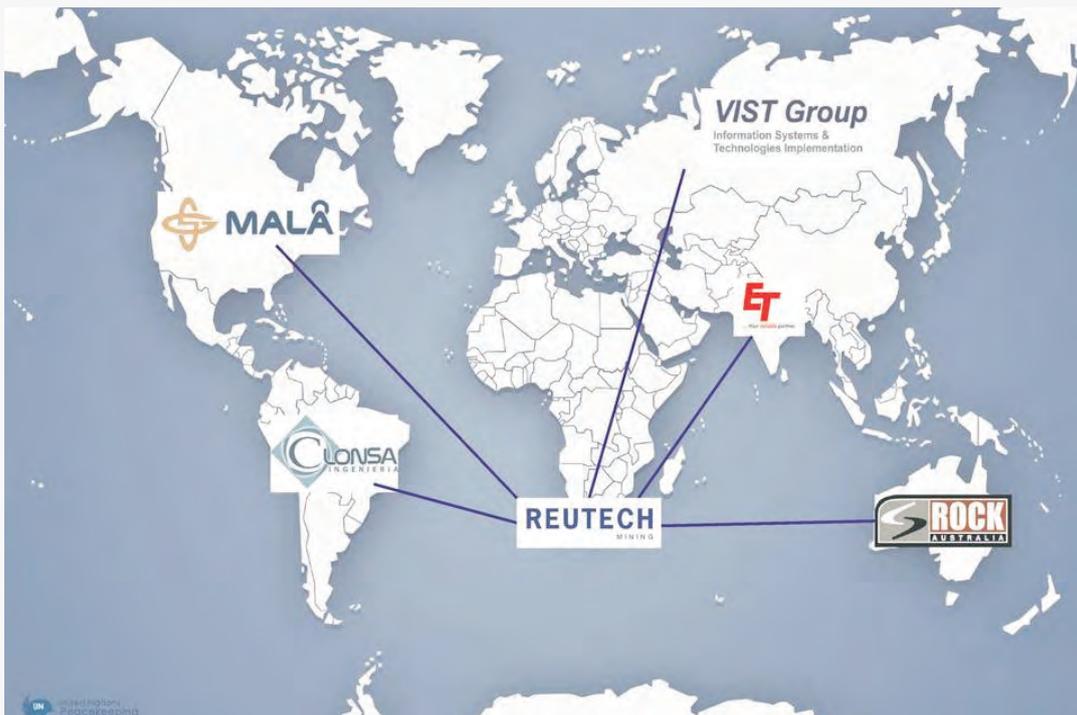
Call & Nicholas, Inc. (CNI) is an internationally recognized geotechnical engineering consulting firm that has been providing a wide range of engineering services to the mining



industry since 1981. CNI's outstanding reputation has been built on the expertise and integrity of their staff, and their dedication to excellence. Their geotechnical engineers, engineering geologists, and technicians are committed to providing their clients with the highest level of service and the most cost-effective solutions to each individual problem.

Call & Nicholas Instruments, Inc., a division of CNI, is home to the SlideMinder slope movement monitoring and warning system and offers geotechnical instruments and accessories. For more information, visit [www.slideminder.com](http://www.slideminder.com).

## Global distributors get together



Reutech Mining successfully hosted the First Global Online Distributor Conference, with live video feed and presentations being shared by all participants. The latest developments within the Reutech Mining family as well as the global mining market were thoroughly explored. “The major benefit of sharing our experiences in all these vastly different markets is to ensure that the best solutions for an international business of our proportions are operating as efficiently as possible,” says Cala van der Westhuizen, Sales and Marketing Manager at Reutech Mining.

## 3<sup>rd</sup> African User Conference



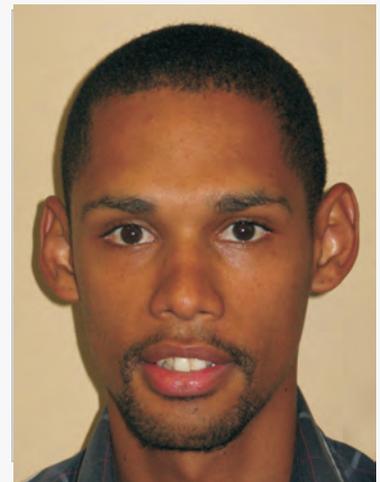
The 3rd annual Movement and Surveying Radar (MSR) user conference was held at the Glenburn Lodge Country Estate in Muldersdrift, South Africa from the 15th to the 16th of July. This event, which is constantly growing in popularity, was attended by all major mining groups currently using the MSR technology, as well as a number of prospective clients.

The conference provides a platform for existing and potential clients to share the knowledge gained through utilising the MSR. The Reutech Mining software development team showcased their continuous improvements and gained valuable input from users during an open discussion forum.

Des Mossop, representing Anglo American, delivered a presentation focussed on Integrated Slope Monitoring, highlighting the use of radar technology within the geotechnical environment. He concluded that “radars are a tool in the whole slope monitoring strategy and must be effectively integrated into this strategy alongside mining operational procedures and controls to ensure that they are effective in their purpose.”

Reutech Mining is committed to constant interaction with our users and clients and these events form an integral part of our drive to provide the world with high quality products that are able to effectively monitor and manage geotechnical issues in vastly different environments around the globe.

## Meet Franco Waterboer



*Franco Waterboer*

Franco has been a valued team member of Reutech Mining since 2013, working as a Maintenance and Support Technician. Franco joined the team after completing 5 years of service in the Production department of Reutech Radar Systems where he gained a great deal of hands-on experience and insight into the MSR as an Assembly and Test Technician.

In addition to his valued work as a Reutech Mining Technician, Franco has just completed his Bachelors of Technology degree in Industrial Electronics from the Cape Peninsula University of Technology.

Franco lives in Paarl, 40km from the Reutech Mining offices in Stellenbosch. He loves his chosen line of work, which involves client interaction and travelling to sites whilst getting to know more about the mining industry. When he is at home, he enjoys watching sports, spending time with his family and welcoming friends for a nice braai.

## Reutech Mining in Eurasia



Over the past few months Reutech Mining participated in two global mining and geotechnical events in our European and Eastern European regions.

Our distributors in Russia, VIST Group, hosted a User Conference in Golitsyno in the Moscow region of Russia, where a large group of clients and other partners joined in workshops and various discussions. The future involvement of Reutech Mining in this region was explored and received a great deal of support from the delegates.



*Mikhael Makeev (VIST Group) and Cala van der Westhuizen (Reutech Mining) co-presenting at the conference [Picture courtesy of VIST Group]*



Reutech Mining was also a proud sponsor of the first International Course on Geotechnical and Structural Monitoring hosted in the beautiful little town of Poppi in Tuscany, Italy. The event was held at the magnificent medieval Castle of Poppi.

Co-chaired by Mr. John Dunicliff, author of the Geotechnical Instrumentation for Monitoring Field Performance (also known as the Red Book) and senior authority in this field, and Paolo Mazzanti, researcher and lecturer at the University of Rome, this course focussed on the exploration of modern developments in geotechnical work. "The speakers and the

material presented were of the highest quality at this extremely well-organised event in what is probably one of the most beautiful parts of the world. It was an honour and a pleasure to be able to be a part of this," said Cala van der Westhuizen.



*Paolo Mazzanti with the mayor of Poppi (left) [Photo courtesy of NHAZCA]*



*The Castle of Poppi [Photo courtesy of NHAZCA]*

## North American & Australasian User Conference



Reutech Mining recently hosted its Australasian and North American user conferences during the second quarter of the year in Elko, Nevada and in Perth, Australia respectively. Both user conferences were once again invaluable for both radar users and non-users alike.



On day 1, users were given the opportunity to present site-specific case studies to their peers. This resulted in the sharing of ideas among users who have all applied the MSR in a variety of different ways. A case study was presented where the MSR's ability to scan a large section of an extremely brittle wall in under 3 minutes proved to be an insightful application to the group. The MSR's capability to generate and apply up-to-date atmospheric algorithms to each scan in real time was found to be highly advantageous in this situation.

Another case study demonstrated the advantages of the MSR's self-generating 3D synthetic map. This feature is unique to Real Aperture Radar (RAR) and becomes extremely useful in a fast-moving mining environment where constantly updated Digital Terrain Maps (DTM's) aren't readily available. The potential risk of non-unique solutions within the mine was eliminated as a result of this capability.

On day 2, MSR users were given the opportunity to interact with Reutech Mining's senior software engineers on topics ranging from data analysis to new software developments.



Users share experiences at the North American User Conference in Elko, Nevada.



Users are given a first look at the new MSR060 product.



The Red Herring, venue for the 5th Australasian User Conference.



Stand E5 in Hall 6. [Click to Pre-register for free](#)

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