

NETWORK MOVEMENTS

Keep Up with Current Trends and Rajant Innovation

Our monthly newsletter keeps you updated on the latest innovation and happenings at Rajant and in the industries we serve.

HAVE YOU READ?

Rajant makes its underground mining move

By: Daniel Gleeson

Rajant is now looking to leverage the leading wireless network expert status it has built up in the open-pit mining space for the benefit of the underground mining sector.

At the AIMEX 2019 event in Sydney, Australia, last month, Mike Foletti, Sales Director, Asia Pacific, and Geoff Smith, Executive Vice President Global Sales and Marketing, talked IM through the move, explaining that the exclusive provider of Kinetic Mesh® wireless networks had teamed up with other firms to ensure its below ground offering is as complete as can be.

The underground solution the company was pushing for the first time at the event has been made possible by the strategic partnership between Rajant, Poynting Antennas, Extronics, and Australian Droid + Robot, the company said.



In the underground setup, Rajant's multi-radio, multi-frequency BreadCrumb® nodes combine with Poynting's wide-band, bi-directional, circular polarised antenna system to create a "complete underground and tunnel-wide wireless network for mission-critical data, video, and voice communications," the company says.

As part of this, Extronics rugged and intrinsically safe AeroScout Wi-Fi-based active RFID tags for personnel and asset tracking operate in real time over Rajant's network, never breaking for...

[CLICK HERE](#) to continue reading in *International Mining*.

CHANNEL CHAT

Enhancing Battlefield Communications Through the Use of Dynamic Best-Path Selection

By: Paul Hellhake



Battlefield communication systems are hampered by inadequate capacity, flexibility, security and access. Over time, a broad range of performance and operational requirements has resulted in the use of numerous incompatible communications systems and waveforms. Furthermore, transition to more capable systems is made more complicated by the need to remain inter-operable with aging legacy platforms. Although the JTRS program and Software Defined Radio was envisioned as a solution to the difficulties of systematic technology insertion, it has yet to meet operational expectations.

Network resiliency and operational complexity urgently need addressing. Until networks are fully capable of fast self-healing, skilled human operators and analysts will remain necessary to interact with equipment and link protection systems, interpreting their results and taking corrective restorative actions based on the indications. Operator familiarity with these systems and the threats to them will continue to dictate how quickly and correctly problems can be identified and resolved.

The JTRS mobile ad hoc waveforms were expected to provide less complexity through self-healing capabilities. However, their reliance on complex protocols and algorithms has limited the ability to build scalable networks with these waveforms. This problem is directly attributable to the rapid decrease in network efficiency as the size of the network increases, which is a result of the overhead burden associated with maintaining and disseminating routing information to a large number of nodes.

The integration of dynamic best-path selection technology with existing and emerging communications systems offers a...

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CUSTOMER SUCCESS

Winning Recipient of Rajant Drawing

Kyle Stone, Wireless Assistant at Duxbury Networking in Johannesburg, Gauteng (pictured center right in photo right) is the winner of Rajant's drawing from participants who completed a recent feedback survey on the 2019 Partner Summit. A special thank you to all who participated. The valuable feedback will be used in planning the 2020 Partner Summit.



[Registration](#) for the 2020 Summit is now open.

MEET THE TEAM

Valerie Estrada
Controller

Where was your first job?

My first summer working, I worked as a camp counselor and at a driving range. I'd have to get on the loudspeaker occasionally and ask people to stop aiming for the vehicle picking up the golf balls in the field. You know who you are!

What drew you to Rajant?

I worked with Rajant at one of my past accounting firms. Firsthand, I saw what they were doing from the sidelines and was always intrigued and impressed by the Company.

What is a typical day like for you at Rajant?

Working in the finance department, we handle the purchases and receipts, manage the cash flow, help in arriving at business decisions and report business operations. It's a nice window into what is going on in all the different aspects of the Company and has allowed me to interact with many of the employees.

What do you like the most about your job?

I like the sense of accomplishment I get from the completing tasks big and small. Working with numbers, there's usually a solid answer to arrive at, which pleases the perfectionist in me. I get to take the technical part of the solid answer and see how it applies to the bigger picture. I also like being part of a growing Company. If I were a riskier person, I could see myself being a business owner, but from my angle I get to be involved in some of the business decisions and see the growth strategies that help scratch that entrepreneurial itch. I also think my risk hesitation is a good quality to have for my role.

What would you say to someone considering a career at Rajant?

Take the chance! I really feel at Rajant they allow their employees to reach their full potential and embrace anyone willing to take on more. Work enthusiasm is appreciated and encouraged.

What do you like to do when you aren't working?

I enjoy gardening. I've been trying to take a more native approach to gardening and am trying to map out a meadow to start in the fall. Spending time with my family is also always high on my priority list, so I make them garden with me.

What do you like to do when you aren't working?

Next Year in Havana by Chantel Cleeton, which was highly recommended by my sister. The novel has two story lines—current day Cuba and 1959 Cuba—and explains the political unrest from the perspective of the Cubans. It's interesting and a different aspect to the history I knew before reading the book.

What are three things still left on your bucket list?

I think traveling will always stay on my list. There are so many places to see! Create my dream home. I've been sketching houses since I was young and am always coming up with new projects around the house; one day I would love to design my own. As much as this is a dream, I know I wouldn't be ready to do this now. I'm still fine tuning all of my plans. Also, take singing lessons. I like to sing but just wish I was better at it.



2020 Rajant Partner Summit
& Charity Golf Tournament

Rancho de los Caballeros
April 21-24, 2020 | Wickenburg, AZ

Registration is now open!

SIGN UP TODAY

UPCOMING TRAINING



Rajant's Two-Day Technical Training

November 12-13, 2019 • Rajant's Corporate Office
200 Chesterfield Parkway, Malvern, PA

Learn from the Kinetic Mesh technology experts during a two-day, in-depth technical training course. Visit our secure online registration page by clicking on the button below. Prepayment is required.

Register before October 12 and save \$100!

SIGN UP TODAY

WHERE NEXT?



WHAT: [DUG Eagle Ford 2.0: A New Generation Takes the Reins](#)

WHEN: September 24-26, 2019

WHERE: Henry B. Gonzalez Convention Ctr, San Antonio, TX

The DUG Eagle Ford 2.0 conference brings the region's key players together for two days of candid discussion on improving efficiency, cutting costs and driving profitability. Well over 1,500 quality registrants from E&P companies, pipeline operators, service and supply companies, and other professional services firms attend in addition to 120 exhibitors covering a wide range of specialties. This year's program offers updates on well economics, breakeven costs, and South Texas' evolving role as an exports powerhouse. Hundreds of oil and gas professionals will be in attendance to hear expert panels, operator spotlights, and producer roundtables. If attending this year's DUG Eagle Ford, stop by booth 641 and meet the team from Rajant.



If it's moving, it's Rajant. Industrial Wireless Networks Unleashed.
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