

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.

TECHNOLOGY NEWS

A Flexible DIN Railed Mounted Radio Ideally Suited for the Energy Market

Released earlier this year, the Rajant KM3 is a non-ruggedized version of our BreadCrumb® ME4 intended for deployment inside pre-existing outdoor NEMA enclosures. It has all of the same ME4 performance, capabilities, and features with the same temperature specs (-20°C to +80°C), but without the IP67 housing. The nodes can be mounted on the pre-designed, pre-configured panels used with these systems along with the circuitry, sensors, and I/O devices typically included on the data panels.

The Problem It Solves

The KM3 is a dual radio BreadCrumb for deployments inside environmentally protected enclosures and is an ideal wireless network solution for the energy market, particularly oil and gas operations that rely heavily on SCADA, real-time monitoring, and video surveillance. No towers needed.

Core Features:

- High Bandwidth
- Flexible DIN Rail Mounting
- Broad Operating Temperatures
- And More

[LEARN MORE](#)



MEDIA MOMENTS

Rajant-Sponsored TeamTao is Recipient of \$200K Moonshot Award from XPRIZE

In recognition for their highly innovative and unique approach to seafloor mapping with small underwater drones known as BEMs (Bathypelagic Excursion Modules), the UK-based TeamTao was awarded the Moonshot Award during the prestigious \$7M Shell Ocean Discovery XPRIZE competition awards ceremony held in Monaco.

The \$7M Shell Ocean Discovery XPRIZE is part of XPRIZE's 10-year Ocean Initiative and a global competition that challenged 35 teams from around the world to advance ocean technologies for rapid, unmanned and high-resolution ocean exploration and discovery. The mission was to map 500 square kilometers of seafloor at four kilometers deep in under 24 hours with no human intervention. To date, less than 20% of the global ocean floor has been mapped.

TeamTao, a team of North East-based subsea engineering experts from Soil Machine Dynamics (SMD) and Newcastle University, demonstrated their autonomous swarm system technology from an ASV and mapped an area the size of Paris in deep waters off the coast of Greece near the port city of Kalamata. To transfer the probe's video at 300 kB/s across an 11-mile distance, the team used Rajant's ME4 2450R's and a prototype 2.4GHz antenna-tracker for their deep-sea mapping, which was installed on a WAM-V surface vehicle and a tethered drone for a point-to-point connection and linked to a Rajant modified aerial drone for the data collection.

[Click here](#) for a behind the scenes look at TeamTao's quest in Kalamata.

TIME TO RECOGNIZE

Rajant and Extronics Form New Strategic Partnership

Rajant continues forging key relationships to bring fresh sales opportunities and solutions. The latest is a partnership with Extronics. Rajant began support for Extronics Wi-Fi tags with the latest firmware release InstaMesh® v11.19.1 running on Rajant's LX5, ME4 or KM3 BreadCrumbs®.



Extronics AeroScout's Wi-Fi-based active RFID tags enable the wireless network infrastructure to accurately track the location and condition of valuable assets or people. The small battery-powered, rugged, programmable tags send short 802.11 messages at a predefined interval. The main features include long battery life, flexible mounting options, emergency call button, tamper-proof options, onboard sensor capabilities, the ability to store and receive data messages, and a clear channel assessment that avoids Wi-Fi data traffic interference.

This is especially relevant to personnel tracking, which is a requirement for underground mines, and other industries such as oil and gas, petrochemical, and ports. Given Rajant's fully mobile private wireless network never breaks for handoff and always seeks the most efficient data path, customers using Rajant technology will not only be able to track personnel, but also identify productivity bottlenecks to improve operational efficiency.

[Click here](#) to learn more about how to procure the tags or get more information.

Rajant's Partners and Distributors
Honored for 2018 Achievements



During Rajant’s 2019 Partner Summit and Charity Golf Tournament in Wickenburg, AZ, strategic partners and leading distributors were honored for their above and beyond selling efforts in 2018 while premiere partners were recognized for achieving designated revenue goals.

Rajant 2018 Partner Awards:

- Top Global Innovator: 3D-P
- Fastest Growth Partner EMEA: BIPTel
- Fastest Growth Partner APAC: Mine Site Technologies PTY
- Fastest Growth Partner NAM: Northwest Towers
- Fastest Growth Partner CALA: MineSense Solutions
- Top Eastern Hemisphere Distributor: Duxbury Networking
- Top Western Hemisphere Distributor: TESSCO Technologies
- Top Growth Distributor: Alliance Corporation

Kinetic Mesh® Premiere Partner Awards:

- 3D-P
- BIPTel
- Infinity Wireless
- Mine Site Technologies
- MineSense Solutions
- Navigation Solutions
- Northwest Towers
- ScanRF
- SITECH Intermountain
- SITECH Southwest
- SITECH Western Australia

MEET THE TEAM

Doug Knox
Manufacturing Engineer

What was your first job?

I worked for the United States Air Force as a cryptographic equipment repairman. I spent one year in the tech school/basic, then worked in the Pentagon for the remaining three years. It was a great learning experience and it started my interest in electronics, which led me to get my degree in electrical engineering.

What drew you to Rajant?

I was working for a company called Nomadio, who developed high-bandwidth communications technology solutions for government and commercial sectors, more specifically RC controllers. Just as the company was getting out of manufacturing, I received a call Rajant’s Chief Architect at the time, Dave Acker. The rest, as they say, is history.

What is a typical day at Rajant?

I generate ECNs, generate BOMs, write assembly procedures, debug production circuit boards that are faulty, and work with the MRP systems.

Any hobbies?

I like to work with my hands. I am currently in the process of restoring a 1968 Mustang convertible. Before doing much work on the car, I had to build a detached garage to have space to restore the car. My wife and I spent three months building walls, putting up trusses, siding, and roofing. It was a great project and something I take pride in looking back and saying, “I built that.”



What is your proudest accomplishment?

Having two happy and productive kids. They are both very funny, very professional, and just good people. One is a pharmacist and the other is an engineer.

You are retiring from Rajant. What is the next?

I am moving to Munich, Germany for two years where my wife is doing her expat assignment.

UPCOMING WEBINARS



An Introduction to Rajant's
New Partner Portal for Authorized
Kinetic Mesh® Distributors and Partners
Wednesday, July 24 – Two Session Times

Rajant is excited to introduce our new Partner Portal. Join us and learn about the new functionality. The 30-minute tutorials are followed by 15 minutes of Q&A. Highlights include:

- Company specific dashboards
- Training status & level advancement progress
- Partner level specific content
- Opportunity registration with tracking
- Lead management
- Marketing campaign execution

SIGN UP TODAY 10:00-10:45 am EDT

SIGN UP TODAY 8:00-8:45 pm EDT

WHERE NEXT?



SIAGOV SUMMIT

June 26 – 27, 2019 • Washington, D.C.

WHAT: [SIA's GovSummit](#)

WHEN: June 26 – 27, 2019

WHERE: Ronald Reagan Building & International Trade Center
Washington, D.C.

The GovSummit, presented by the Security Industry, is a widely attended, government security conference held annually in Washington D.C. Government security leaders from across the US gather together to examine emerging policy trends, share technology needs in government, and discuss changes in the risk environment that shape development of products and advanced systems integration to meet evolving security challenges. If attending, stop by and meet Alice Disanto, Rajant’s AVP of Marketing, who can share what’s new and exciting at Rajant.