How Embracing Drone Usage Can Transform Your Seaport Fortunes
By: Chris Mason

Whilst the military has been exploiting air-based drones for years as part of its efforts to improve safety, without affecting performance or facing increased cost, businesses and governments across the globe are beginning to realise the importance of drone usage and the opportunities it can bring forward. From agriculture to oil and gas to border control, these unmanned aerial vehicles (UAVs) have the ability and flexibility to be utilised in various markets, helping to improve the business’ results considerably.

As their use becomes more ubiquitous, so must the networks they run on because autonomy demands 365/24/7 connectivity. This is particularly essential for dynamic environments, such as seaports, where all assets including cargo, people, and vehicles are constantly on the move. In short, drones can only be as good as the supporting network infrastructure.

Seaports
Drones are transforming the way organisations operate around the world. While most are prevalent in the military and defence industries, seaports are climbing up to the top of the list of sectors which can directly benefit from successful... 

Click here to read more in Pipeline Oil and Gas Magazine, pages 40-42.

This Isn’t Your Everyday Office Dog
By: Rahul Emani

Meet Pumbaa. It’s energetic, agile, powerful, and listens on command. Just like any other canine, it loves taking walks, but afterward needs a long nap before jumping back in action again. What’s not to love, other than Pumbaa is not soft and fuzzy like other office dogs but rather hard and mechanical.

So how did Pumbaa become a Rajant mascot? Thanks to the generosity of Dr. Dawid Preller and Australian Droid + Robot who packed up Pumbaa and traveled 7,500 miles from Brisbane, Australia to Phoenix, Arizona to showcase Pumbaa at Rajant’s 2019 Partner Summit in April. Rather than take Pumbaa back to the Land Down Under, Dr. Preller gifted Pumbaa to Rajant to house in their Malvern office.

Pumbaa is an Explora droid manufactured by Australian Droid + Robot. The underground inspection robot holds a Rajant BreadCrumbs inside to provide wireless connectivity. With eight ruggedized wheels, no weather condition or terrain is too tough for this vehicle to conquer. Used mostly in underground mines, the Explora droid is especially used to navigate through muddy and swampy terrain conditions. The BreadCumbs provide a high availability and long-distance network helpful for the droid’s underground applications. The mesh...

Rajant Receives ISO 9001:2015 Certification
By: Alice Disanto

Rajant is certified as ISO (International Organization for Standardization) 9001:2015-compliant after an extensive audit of the company’s internal operations. This ISO 9001:2015 Quality Management System (QMS) certification was achieved earlier in 2019. It demonstrates Rajant’s compliance with the development, technical support, and manufacturing of secure network radios at their Morehead, Kentucky facility.

Rajant joined a consortium of Kentucky manufacturers put together by the Southeast Kentucky Economic Development Corporation (SKED) who partnered with the Advantage Kentucky Alliance (AKA) to assist participant companies, like Rajant, with the development and implementation of an ISO 9001 compliant quality management system. AKA provided Rajant with training and company-centric activities, such as group training, documentation writing, auditor training, and auditing to assist them with the development of a quality management system that met all the requirements of the ISO 9001 standard.

According to SKED’s Executive Director Brett Traver, “Appalachian Regional Commission contributed funding, which... 

Continued on page 2
MEET THE TEAM

Tao Zhao
Software Engineer

What attracted you to Rajant?
Previously, I was an Embedded Software Engineer for Amsted Digital Solutions (IONX). But I was always very curious about Rajant’s Kinetic Mesh® networks, a decentralized smart “living” mesh solution that moves and evolves instantaneously with connectivity demands. This is completely different from those centralized configuration and management for APs, which I was more familiar with at the time.

What is a typical day like for you at Rajant?
As a software engineer, a typical day can include discussing the algorithm, developing the code, and help testing and diagnosing issues. Presently, I am learning and maintaining Rajant’s InstaMesh® routing algorithm.

What do you enjoy the most about your job?
By far, we have the best engineering team here at Rajant. Every member is very dedicated to his or her own job and each has excellent skillssets, unbeatable passion, and cooperates harmoniously just like a clock!

What do you like to do when you aren’t working?
I love reading and like practicing yoga. I am currently reading "The Hope Circuit: A Psychologist’s Journey from Helplessness to Optimism" by Martin E. P. Seligman. I am always super curious about experimental psychology, which explores the human mind to help make life better for the mass of humanity. I also enjoy Professor Seligman’s warm, lively, and beautifully written personal journey through his own highs and lows – from his “learned helplessness” concept to reshaped positive psychology, which eventually helps us grow the resilience, gratitude, and hope by ourselves. With yoga, it is all about the here and now, and honoring where you are in this very moment.

Any hobbies or hidden talents?
I really enjoy photography, which lets me create images of events, times, and places – capturing and memorizing each moment on the road.

Do you have a favorite quote?
Yes. “Authentic happiness derives from raising the bar for yourself, not raising yourself against others” said by American psychologist Martin E.P. Seligman.

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?

AIMEX
When: August 27 – 29, 2019
Where: Sydney Showground, Sydney Australia

The Asia-Pacific’s International Mining Exhibition (AIMEX) is the largest free-to-attend mining exhibition and conference in Australia where innovators and disruptors alike come together to discuss technological advancements, workforce changes, community collaborations and environmental challenges. The program is promised to deliver operational improvements for all mining techniques. Over 500 suppliers from around the world will be exhibiting. If attending AIMEX, let Rajant know and stop by booth E131 where you can meet team Rajant plus see the Australian Droid + Robot telepresence and drones for underground mining. We are also planning a get together while in Sydney and would welcome you to join us.

Associate

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