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For Immediate Release

Raytheon Demonstrates Latest Patriot Advancements

New technology to enable 360 coverage, increase performance and reliability, and lower life cycle costs

TEWKSBURY, Mass., (January 21, 2014) — Raytheon Company (NYSE: RTN) hosted a senior German delegation to demonstrate its latest advancements for the [Patriot Air and Missile Defense System](#). Among the technologies exhibited was Gallium Nitride (GaN) - based Active Electronically Scanned Array (AESA), which enables future 360 sensor coverage, significantly increases the defended area and decreases the time to detect, discriminate and engage threats. The introduction of GaN-based AESA technologies will also further improve reliability and lower the life cycle costs for the Patriot radar, beyond what has already been achieved with other recent Patriot radar improvements.

“Raytheon is a leader in airborne, sea-based and ground-based radars and we continue to invest in research and development to further mature radar technology. GaN-based AESA technologies represent the future of ground-based sensors and will have future application to Raytheon’s entire sensor portfolio,” said Dan Crowley, president of Raytheon’s Integrated Defense Systems business. “This visit is a tremendous opportunity for one of our valued customers to see, first hand, the investments made to ensure over match against current and evolving threats.”

At the Raytheon innovative Immersive Design Center in Andover, MA, the company also demonstrated its Common Command and Control (CC2) capability, which features open architecture, netted and distributed operations and flexible operator roles. This capability can be tailored to a customer’s mission requirements and improves situational awareness at all echelons of command. The center also enhances training and enables reach-back support to the U.S.

Lastly, the German officials visited Raytheon’s Visualization Center, where engineers use fielded tactical software to perform defense design in mission planning and engagement operations scenarios.

“The showcased advancements are part of the Raytheon’s offer for Germany’s TLVS program,” said Crowley. “They provide increased capability while decreasing costs, which reduces overall program risk.”

About GaN

Raytheon has been leading the innovation and development of GaN for 15 years and has invested over \$150 million to get this latest technology in the hands of the warfighter faster and at lower cost and risk. Raytheon has demonstrated the maturity of the technology in a number of ways, including exceeding the reliability requirement for insertion into the production of military systems. The proven and mature GaN-based AESA technology which will be incorporated into Patriot is used in the design of the U.S. Navy’s new Air and Missile Defense Radar and a number of U.S. Air Force systems. In Feb 2014, Raytheon demonstrated a successful GaN-based AESA prototype Patriot array using GaN manufactured in Raytheon’s Department of Defense-certified Manufacturing Readiness Level 8 foundry. Raytheon’s GaN foundry was the first to receive DoD MRL 8 certification, indicating that Raytheon’s GaN is ready to enter production after having demonstrated proven manufacturing and quality processes.

About Patriot

Patriot is the world’s most modern and capable air and missile defense system, providing protection against a full range of advanced threats, including aircraft, tactical ballistic missiles, cruise missiles and unmanned aerial vehicles. Continually upgraded and enhanced to reflect the latest technology, Patriot is the system of choice for 13 nations around the globe. Raytheon is the prime contractor for both domestic and international Patriot Air and Missile Defense Systems and system integrator for Patriot Advanced Capability-3 missiles.

About Raytheon

Raytheon Company, with 2013 sales of \$24 billion and 63,000 employees worldwide, is a technology and innovation leader specializing in defense, security and civil markets throughout the world. With a history of innovation spanning 92 years, Raytheon provides state-of-the-art electronics, mission systems integration and other capabilities in the areas of sensing; effects; and command, control, communications and intelligence systems, as well as cyber security and a broad range of mission support services.

Raytheon is headquartered in Waltham, Mass. For more about Raytheon, visit us at www.raytheon.com and follow us on Twitter [@Raytheon](https://twitter.com/Raytheon).