

# Raytheon

## Raytheon directed energy systems down multiple drones in US Air Force exercise

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### Speed-of-light technologies will protect ground troops

WHITE SANDS MISSILE RANGE, N.M., April 30, 2019 /PRNewswire/ -- Raytheon Company's (NYSE: RTN) advanced high power microwave and mobile high energy laser systems engaged and defeated multiple unmanned aerial system targets during a U.S. Air Force demonstration. The mature HPM and HEL technologies offer an affordable solution to the growing UAS threat.



The HEL system, paired with Raytheon's Multi-spectral Targeting System, uses invisible beams of light to defeat hostile UASs. Mounted on a Polaris MRZR all-terrain vehicle, the system detects, identifies, tracks and engages drones.

"Countering the drone threat requires diverse solutions," said Stefan Baur, Raytheon Electronic Warfare Systems vice president. "HEL and HPM give frontline operators options for protecting critical infrastructure, convoys and personnel."

Raytheon's HPM uses microwave energy to disrupt drone guidance systems. High power microwave operators can focus the beam to target and instantly defeat drone swarms. With a consistent power supply, an HPM system can provide virtually unlimited protection.

"After decades of research and investment, we believe these advanced directed energy applications will soon be ready for the battlefield to help protect people, assets and infrastructure," said Dr. Thomas Bussing, Raytheon Advanced Missile Systems vice president.

Raytheon's HEL and HPM were the only directed energy systems that participated in this Air Force experimentation demonstration. The event expanded on previous directed energy demonstrations such as a [U.S. Army directed energy exercise](#) held in 2017.

#### About Raytheon

Raytheon Company, with 2018 sales of \$27 billion and 67,000 employees, is a technology and innovation leader specializing in defense, civil government and cybersecurity solutions. With a history of innovation spanning 97 years, Raytheon provides state-of-the-art electronics, mission systems integration, C5I<sup>®</sup> products and services, sensing, effects, and mission support for customers in more than 80 countries. [Raytheon](#) is headquartered in Waltham, Massachusetts. Follow us on [Twitter](#).

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