It’s all about innovation.

Air. Land. Sea. Space. Cyberspace. Wherever the need, Raytheon is there with innovations that protect, defend and secure. Our domain knowledge and technological leadership continue to fuel growth in core markets and adjacent markets, domestically and internationally. Our record of NoDoubt® performance on behalf of customers in 80 countries grew stronger than ever in 2008, generating excellent results for our shareholders. Yet we have much more to do. Our commitment is absolute. Our opportunities are endless.


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INNOV

Innovations spring from every Raytheon business to create value across every region of the earth. **(A)** **IDS**' project for a robotic exoskeleton suit turns science fiction into reality by amplifying the wearer's strength, endurance and agility. **(B)** **IIS**' Universal Control Systems use breakthrough visualization technologies to enhance performance in piloting unmanned aerial systems. **(C)** **MS**' Laser Area Defense System uses a solid-state laser to protect warfighters against mortar fire while avoiding the hazards of caustic chemicals. **(D)** "Bullets that shoot bullets" was how TIME® described **NCS**' Active Protection System in naming it one of the 50 Best Inventions of 2008. **(E)** **SAS** extended its decade-long leadership in Active Electronically Scanned Array radar by delivering better performance on more platforms than ever. **(F)** NASA's **TS**-managed Neutral Buoyancy Laboratory in Houston enables astronauts to train in full-size mock-ups and near-weightless conditions.

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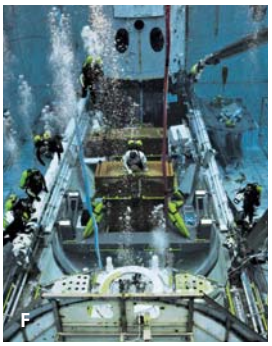
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SENSING

<< A Raytheon technician prepares a miniaturized synthetic aperture radar (Mini-SAR) antenna for thermal vacuum testing. Raytheon provided antennas, RF electronics and flight software for the Mini-SAR system currently flying aboard the Indian Space Research Organisation's Chandrayaan-1 spacecraft—part of a new generation of orbiting instruments searching for ice on the lunar surface.

Taking data capture to new heights

Sensing technologies provide precise situational data for effective battlespace decisions. They also advance our understanding of the physical environment on, above and beyond the earth. Raytheon sensing solutions exploit the full electromagnetic spectrum, including electro-optical, radio frequency (RF), hyperspectral, acoustic, ultraviolet and radiological. Our AESA radar innovations are creating new options for fighter aircraft as well as unprecedented capacity for real-time communications.

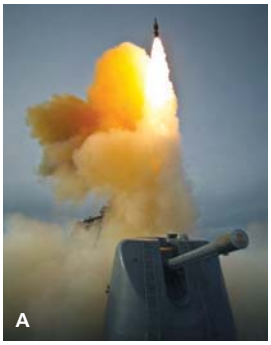
(A) B-2 Radar Modernization Program antenna undergoing test and verification at the Raytheon systems integration lab. **(B)** Raytheon Advanced Combat Radar (RACR) brings scalable AESA capability to multiple fighter aircraft. **(C)** The Multi-Function Radio Frequency System, shown in production, provides crucial radar and fire control input for Raytheon's Active Protection System.

EFFECTS

In December 2008, Raytheon's Non Line of Sight Launch System (NLOS-LS) completed the third guided test flight of the Precision Attack Missile. Using its fire-and-forget uncooled imaging infrared seeker, the missile scored a direct hit against a stationary T-72 tank. The success of all three test flights brings the revolutionary NLOS-LS capability one step closer to the warfighter. >>

Exactly as intended

Advances in effects technologies enable commanders to achieve specific military outcomes with increasing precision, whether striking a target, disabling enemy information systems or applying directed energy to protect troops in urban combat. Raytheon solutions are at the forefront of these developments, supported by world-class capabilities in areas ranging from airframes to guidance and navigation systems to high-resolution sensors and targeting systems.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(A) A Raytheon Standard Missile-3 drew worldwide attention when it successfully brought down a non-functioning satellite in February 2008. (Photo courtesy of Department of Defense) **(B)** Excalibur brings next-generation precision to U.S. Army and Marine Corps artillery. **(C)** Active Denial uses millimeter-wave directed energy technology to create a zone of protection, repelling individuals without causing injury. (Photo courtesy of Department of Defense)


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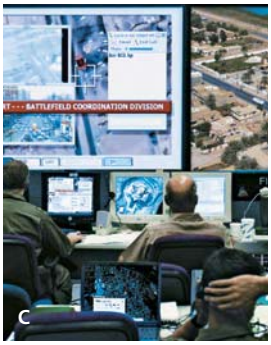
C3I

<< Raytheon information assurance and information security solutions leverage decades of experience to protect global infrastructures from complex threats. In addition to reducing vulnerability across the entire information spectrum, Raytheon offers an unmatched array of information operations capabilities for U.S. government and allied forces around the world.

Integrated information solutions

C3I (Command, Control, Communications and Intelligence) systems turn an extraordinary range of real-time data into a unified resource for decision-makers on and off the battlefield. Raytheon's leadership in C3I spans air, land, sea, space and cyberspace, combining pioneering technology with global insight to provide NoDoubt Mission Assurance across the full spectrum of offensive and defensive operations.



(A) High above the earth, Raytheon technology helps to guide satellites that monitor weather and climate patterns for more precise forecasting. **(B)** The Global Broadcast Service delivers everything from critical intelligence data to broadband video for today's warfighter and supporting forces. **(C)** The Distributed Common Ground System Integration Backbone provides a global, interoperable architecture for intelligence data sharing and collaboration.

MISSION SUPPORT

A Raytheon-led team is providing a new generation of integrated training solutions for air traffic control professionals under contract to the Federal Aviation Administration. Drawing on the work of seven partners and decades of experience in flight safety, the Raytheon Company Air Traffic Control Optimum Training Solution contract is also a crucial building block in the transition from today's ground-based air traffic control environment to future satellite-based systems. >>

24/7 responsibility

Complex technologies, extreme conditions, constant change: Mission Support must embrace them all with systems that ensure flawless performance. Raytheon addresses every corner of this vast market, from information management to logistics, maintenance and training.

Our innovative solutions reflect a relentless pursuit of perfection and a proud tradition of service to our military, our nation and the world.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(A) Two U.S. Air Force CV-22 Osprey tilt-rotor aircraft take off during a night training mission at Kirtland Air Force Base, N.M. (U.S. Air Force photo by Staff Sgt. Markus Maier)
(B) Raytheon repairs and provides spares for the AN/SPY-1 radar and MK 99 Fire Control System on the DDG-51, both key components of the AEGIS system. (U.S. Navy photo)
(C) The A-10 Thunderbolt II provides top cover for ground forces in Southwest Asia. (U.S. Air Force photo by Master Sgt. Robert Wieland)