



SENSING

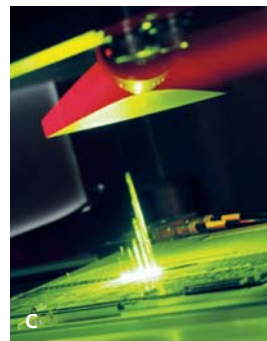
<< A Raytheon technician prepares a miniaturized synthetic aperture radar (Mini-SAR) antenna for thermal vacuum testing. Raytheon provided antennas, RF electronics and flight software for the Mini-SAR system currently flying aboard the Indian Space Research Organisation's Chandrayaan-1 spacecraft—part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