



# SPACE

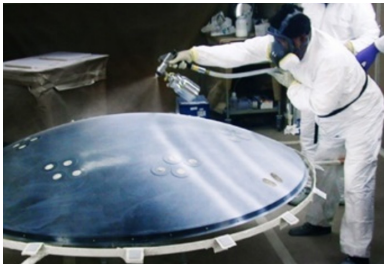
INNOVATIVE SOLUTIONS IN SUPPORT OF  
SPACE-BASED OPERATIONS

**At the convergence of space, cyber and electronic warfare, HII's technologies and capabilities support space-based operations to ensure today's warfighters are mission ready.**



## PROTECTING SPACE ASSETS

As space becomes a contested domain, HII is applying its expertise in air and ground domain electronic warfare (EW) and the electromagnetic spectrum to the space domain, driving enhancements to the protection and survivability of space-deployed assets. Our subject matter experts are incorporating EW design, development and hardware-in-the-loop testing capabilities into the process to make space systems more robust, defensible and easily upgradable.



## REDUCING SPACE SYSTEMS DEGRADATION

Building on a heritage of success, HII's Advanced Materials and Coatings Lab has more than 60 years of experience providing advanced thermal space coatings in support of National Aeronautics and Space Administration (NASA) space programs, government and commercial satellite and launch providers, the aerospace industry and the U.S. Department of Defense. All materials have received rigorous space simulation exposure and are approved for use by the Air Force Research Laboratory and NASA.



## PROVIDING MISSION SUPPORT THROUGH ROBOTICS

HII robotics software engineers, operating out of NASA's Goddard Space Center and the Naval Research Laboratory, support robotic arm development and integration for on-orbit refueling and servicing missions for critical LEO and GEO satellites.

**Solving emerging challenges with customized, innovative cyber and digital engineering solutions.**

## ADDITIONAL CAPABILITIES

- Spacecraft modeling and simulation
- Digital engineering
- U.S. Space Force special mission support
- Offensive/defensive cyber, threat analysis, modeling and simulation
- Space professional training and demonstrations
- Microelectronics and software reverse engineering



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HII is a global, all-domain defense partner, building and delivering the world's most powerful, survivable naval ships and technologies that safeguard our seas, sky, land, space and cyber. As America's largest shipbuilder and with a more than 135-year history of advancing U.S. national defense, we are united by our mission in service of the heroes who protect our freedom. HII's diverse workforce includes skilled tradespeople; artificial intelligence, machine learning (AI/ML) experts; engineers; technologists; scientists; logistics experts; and business professionals. Headquartered in Virginia, HII's workforce is 43,000 strong. For more information, visit [HII.com](http://HII.com). **Contact:** [spacesolutions@hii-tds.com](mailto:spacesolutions@hii-tds.com)