



FIRST RF CORPORATION

Non-Traditional Defense Contractor (NTDC) and small business specialized in engineering and manufacturing affordable advanced antennas & RF systems for aerospace, defense, civil, and commercial markets.

WHO WE ARE

GENERAL INFO

- 130 Employees
- 50,000 Sq. Ft. Facility located in Boulder, CO
- DCSA Cleared Facility

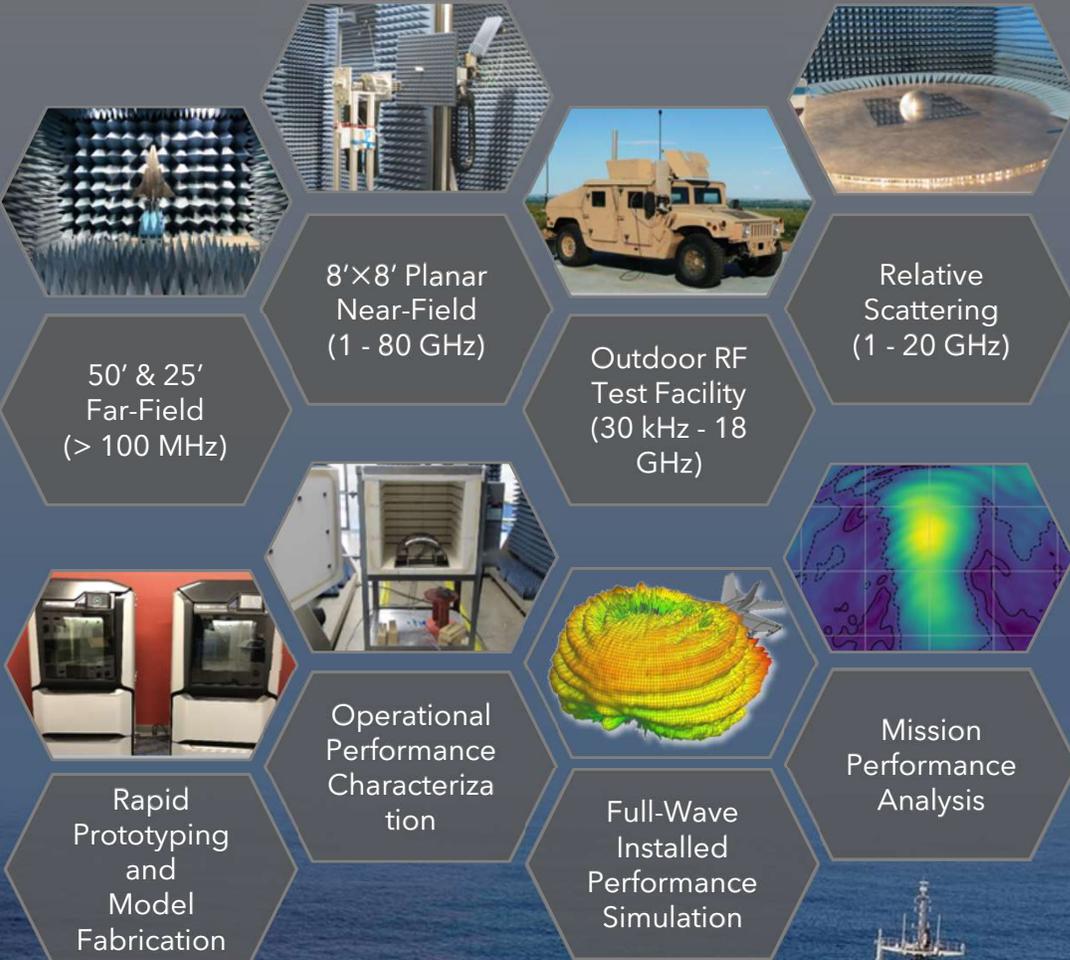
ABOUT US

FIRST RF specializes in full-lifecycle support, from advanced development through manufacturing. We have earned a reputation for innovation and excellence in the industry. Equipped with the resources of a large company and the agility and value of a small business, we strive for 100% customer satisfaction.



IN-HOUSE R&D

Award-Winning Production and Quality



FIRST RF engineering and manufacturing teams develop and manufacture a range of state-of-the-art antenna and RF technology products.

FIRST RF design and production capabilities span the full spectrum lifecycle, starting from advanced concepts, to design, test, qualification, through production.

- Over 250,000 antennas delivered
- More than 250 antenna systems produced per day
- AS9100 and ISO 9001:2015 certified
- Received multiple DMCA quality awards for on-time performance

TECHNOLOGIES

WIDE RANGE OF CUSTOMIZABLE SOLUTIONS

FIRST RF antennas and RF systems provide affordability, high performance, and reliability, to do more with less. Active programs and products cover the following markets:

- Conformal Antennas
- Electronic Warfare
- Communications
- Radar

FIRST RF markets COTS products and works with customers to develop and modify products that meet unique needs.

FIRST RF has various patents and patent-pending technologies related to ultra broadband antennas, navigation, radar and phased array technology.



CURRENT TECHNOLOGY AREAS



Broadband Antennas & RF Systems



High Shock High Temp Conformal Antennas



Digital RF Interfaces



High Capacity Back Haul



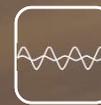
Low-Cost Phased Arrays



Remote Sensing



Multiband Frequency Converters



Active RF Cancellation



Low Probability of Detection



Multi-Beam Phased Arrays



Covert Comms



Tactical Data Link

In 2005, FIRST RF received the Army's Top 10 Inventions of the Year award, which started as an SBIR contract for a broadband EW antenna system for CREW systems. FIRST RF antenna systems are designed for affordability, reliability, optimum RF and mechanical performance.

APPLICATIONS

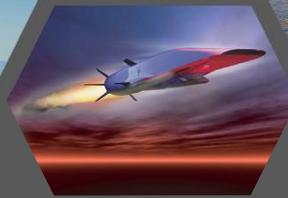
Fixed and
Mobile Radar

Navigation and
Electronic
Warfare

MMW
Communications
and Sensing

Communications

Conformal
Antennas



PROVEN PERFORMANCE

- Over 160,000 **tactical vehicular antenna** systems have been delivered in support of operations in the Middle East.
- **Phased array** systems, both large and small, for missile defense, SATCOM, ground communications and airborne relays covering from UHF through Ka-Band. Platforms include airborne (manned and unmanned), ground vehicles, amphibious, maritime, and space applications.
- **Munitions antennas:** GPS, Low Observable, end-fire/ wrap-around antennas, all built at a fraction of the cost of competing solutions.

- **Ultra-Wideband Antennas for Electronic Warfare:** VHF through C-Band from a single aperture, high-power handling, both mobile and fixed site applications.
- **Airborne Communications antennas** for JTRS, TCDL and AMF Programs.
- **Ultra-wideband antennas** (300:1 single-structure antenna)
- **Low-cost Attitude and Heading Reference (AHRS) System**
- **Body-wearable antennas**
- **Anti-RPG, Sniper Fire Detection, Weather, and Obstacle Avoidance Radar Antenna Systems**
- **Space Reflectors**

FIRST RF HAS SUCCESSFULLY DEVELOPED TECHNOLOGY WITH...

SYSTEMS INTEGRATORS:

SRC, ITT, Raytheon, Northrop Grumman, Lockheed Martin, General Dynamics, Cubic, Argon ST, BAE Systems, Sierra Nevada Corp., Cobham, LGS, and Honeywell.

GOVERNMENT CUSTOMERS:

U.S. Army, Air Force, and Navy, Marine Corps, MDA, DARPA; NASA, NOAA; Johns Hopkins University Applied Physics Laboratory and the Jet Propulsion Laboratory.

UNIVERSITY CUSTOMERS:

University of Colorado, Perdue, University of Massachusetts, and CALTECH.



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