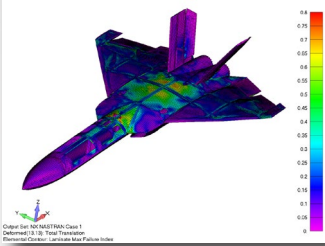


CAPABILITIES STATEMENT



CORE COMPETENCIES

Sierra Technical Services, Inc. (STS) is a Woman-Owned Small Business (WOSB) with unique Aerospace Engineering and Manufacturing capabilities. Since 2006, STS has successfully bridged the gap between Rapid Prototype and Full Rate Production.

Our innovation and design efforts focus on Unmanned Composite Aircraft using next generation materials, techniques, and low-cost tooling. With a combination of experience and skill, our talented team of Engineers and Manufacturing Technicians deliver high-quality aerial vehicles to government and commercial customers.

CAGE CODE: 4HCA9

DUNS: 783349991

NAICS CODES:

Manufacturing:
336411, 336414, 336415,
336419, 336413

Engineering:
541330, 541712, 541690

ENGINEERING EXPERTISE

- Aerodynamics
- Propulsion Design
- Thermodynamics Analysis
- New Aircraft Configuration Development Aircraft
- Structures Analysis and Design
- Flight Controls
- Tooling Design
- Stability & Controls
- RCS Model Design
- Wind Tunnel Model Test Planning

MANUFACTURING SERVICES

- Composite Fabrication
- Custom Metal Fabricating & Coating Assembly Fixture Fabrication
- Airframe Assembly
- Aircraft Subsystems Installation & Integration
- Data Acquisition System Installation & Integration
- Tooling
- Paint
- Composite Repair

PSC Codes:

- 1410 – Guided Missiles
- 1420 – Guided Missile Components
- 1425 – Guided Missile Systems
- 1440 – Launchers, Guided Missiles
- 1510 – Aircraft, Fixed Wing
- 1550 – Unmanned Aircraft
- 1560 – Airframe Structural Components
- 1710 – Aircraft Landing Equipment
- 1720 – Aircraft Launching Equipment
- AC13 – R&D – Defense System: Aircraft (Advanced Development)

PAST PERFORMANCE

U.S. Air Force Low-Cost Attributable Strike Demonstrator (LCASD)

August 2016, STS was awarded a subcontract through Composite Engineering, Inc., (CEi) a Kratos company, to design and manufacture tooling, assembly fixtures and aircraft subcomponents for the LCASD program.

U.S. Army Corp of Engineers – Fifth-Generation Aerial Target (5GAT)

March 2017, STS was awarded a prime contract to design, manufacture, assemble, integrate and ground/flight test the 5GAT demonstrator aircraft within a Twenty-six-month period of performance to first flight.

U.S. Navy Target Wing Replacement (BQM-74E)

April 2017, STS was awarded a subcontract through SA-TECH, to manufacture composite replacement wings for the US Navy BQM-74E target based on US Government Design Data with the end user as the Naval Air Weapons Center Weapons Division (NAWCWD) located at Point Mugu, California.

U.S. Army PEO STR/PM ITTS - Aerial Target Systems 2 - Five Year IDIQ (ATS2)

May 2018, STS was successful in securing a position on the Kord Technologies team to support ATS2 task orders providing subject matter expertise in the areas of engineering, design and manufacturing services.



FIFTH-GENERATION AERIAL TARGET

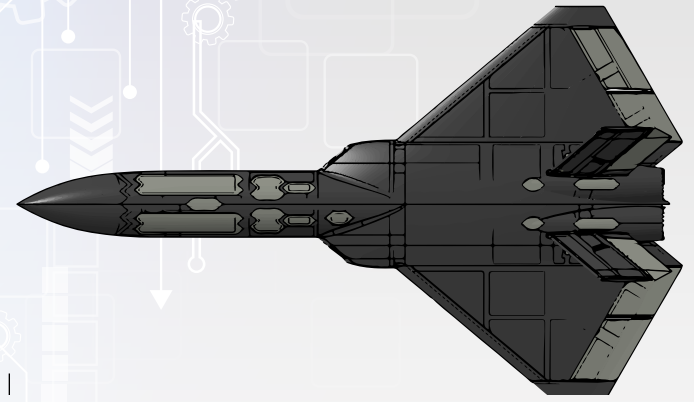
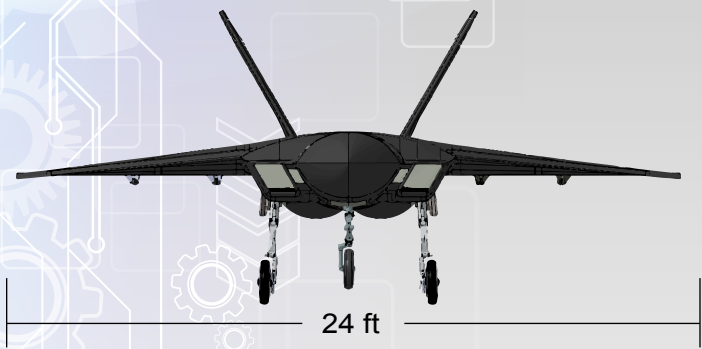
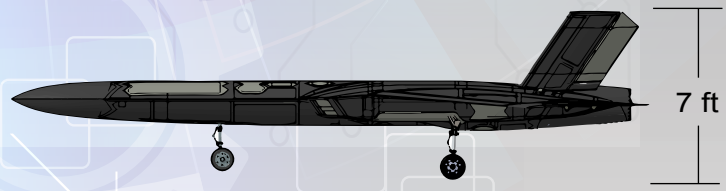


5GAT

The Fifth-Generation Aerial Target (5GAT) is a full-scale, all composite, unmanned target designed to replicate the performance characteristics of advanced fighter aircraft threats.

The 5GAT delivers a combination of high-speed, and maneuverability along with integrating many features of stealth technology.

Please contact Sierra Technical Services (STS) for more information about the integration of customer furnished pay-loads.



SPECIFICATIONS

Length	40.5 ft
Wingspan	24 ft
Empty Weight	<6,000 lbs
Engine (x2).....	Turbojet ~2,950 lbs
Maximum Ramp Weight (MRW)	12,500 lbs
Internal Payload Capacity	540 lbs
Mid-Wing Capacity.....	400 lbs
Operational Altitude.....	500 - 45,000 ft MSL
Max Speed	0.95 Mach
Flight Endurance.....	90 - 120 minutes
Command & Control.....	Manual/Pre-Programmed
Autonomous Take-Off & Landing	