

Tactical Labs for Governmental Decision Makers

Ultra-strong & Lightweight Composites

2.5X

Stronger than Steel

70%

Lighter than Aluminum

Features

- Extremely Lightweight
- Corrosion Resistance
- Thermal Insulation
- Electrical Insulation
- Eco-Sustainable Production
- Shock Absorption

Who We Are

Rooted in the operational legacy of the 160th SOAR Night Stalkers

High Performance Advanced Materials

Tactical Labs produces composite parts and equipment for the defense, aerospace, maritime, and industrial sectors.

NS Fiber: Our Modular Composite Platform

Designed as a versatile and high-performance material line, NS Fiber will support a range of mission-critical applications through customizable formulations of fibers and resins.



Technical and Strategic Advantages

- Modular and scalable composite platform
- Strong defense credibility through Night Stalker lineage
- Suitable for RTM, infusion, and compression molding
- Cross-industry applicability: defense, aerospace, automotive, infrastructure
- Available for licensing and co-development partnerships

NS Fiber Product Line

- NS Fiber-B – Basalt-dominant composite for optimal strength-to-weight balance
- NS Fiber-C – Carbon fiber variant for high stiffness demands
- NS Fiber-H – Hybrid blend (e.g., basalt + carbon) for balanced mechanical performance
- NS Fiber-RX – Resin-optimized variant for thermal and chemical resistance
- NS Fiber-Aero – Aerospace-grade lightweight formulation for rotorcraft/UAVs
- NS Fiber-Stealth – EMI/RF-shielded matrix for stealth applications
- NS Fiber-TX – Flexible form for armor mats or tactical roll-to-roll configuration.

Product Line

- NS Fiber: Basalt Fiber Reinforced Polymer
 - Weight reduction of 70-90% compared to AL6061 and Steel
 - Tensile Strength up to 3000 MPa (with an average of 1800 MPa) compared to 1000MPa S97 high carbon steel
 - Ability to customize fiber composition, matrix, and additives to reach any desired characteristics.
 - IR and heat signature reduction.
- Unmanned Aircraft System (UAS) and manufacturing
 - Modular UAS
 - Our capability of automated manufacturing parts and assembly on land or sea and possibly air.

COMPANY SNAPSHOT

Established: 2022
CAGE 9JE2
UEI: REARDS2FQ498
D-U-N-S number: 121667517

NAICS Codes

541715 – Research and Development in the Physical, Engineering, and Life Sciences (except Nanotechnology and Biotechnology)
336411 – Aircraft Manufacturing
336412 – Aircraft Engine and Engine Parts Manufacturing
336413 – Other Aircraft Parts and Auxiliary Equipment Manufacturing