



# Small Business Model for Disruptive and Innovative Technology

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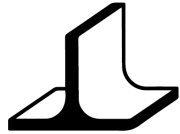
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**SIGMA LABS**



**STRUCTURAL  
COMPOSITES®**



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**COMPOSITES  
INTELLECTUAL  
HOLDINGS**



# Mission

Develop, Refine and Deploy Game-Changing Material Technology  
To provide a competitive benefit to  
our Partners and Customers.

## Foundations

- Partners Get Durable Access to Technology
- Technology Sharing Arrangement Enhances Value
- Company Remains SBA Small Business not affiliated with any Partner

# Overview

## Business Segments

- Sigma Test Lab
- Applied Research and Development
- Prototyping
- Product Development
- Structural Analysis
- Manufacturing Technology
- IP- Patents/Licenses
- Workforce Training

## Key Customers

- Brunswick
- DOD/Navy
- FDOT/Florida
- Universal Studios
- NASA
- Many Others

## Teaming Partners

- Lockheed
- Wabash National
- Ford Automotive
- Trinity Rail
- Interplastic Corp
- BASF
- Boeing
- Zodiac
- Many Others



# Innovative Business Model

## Navy ManTech Program – SCI 1993 to Present

- ManTech Role – Air and Sea Composites
- Virtual Center
- Leverages Small and Large Businesses
- Facilitates Deep Long-Term Relationships
- Technology Sharing among Competitors



Business Model Combines Benefits of Consortium with the power of market exclusivity and rights to Small Business Innovation.

# 2023 Partner Status

AEROSPACE  
OPEN



TRANSPORTATION  
RESERVED - WABASH  
NATIONAL



MARINE  
OPEN



AUTOMOTIVE  
FORD



RAIL  
RESERVED - TRINITY  
RAIL



INFRASTRUCTURE  
OPEN



WIND ENERGY  
RESERVED  
BE - WIND



# Multi-Market Integration

## Navy SBIR

- Rapid Innovation Fund (RIF) program to build, test and deploy a Navy composite RIB

## Wabash National

- Largest trailer manufacturer develops game-changing technology for competitive advantage. SBIR-derived CoCure and PRISMA technologies achieve weight and life-cycle targets.

## Bridge Project

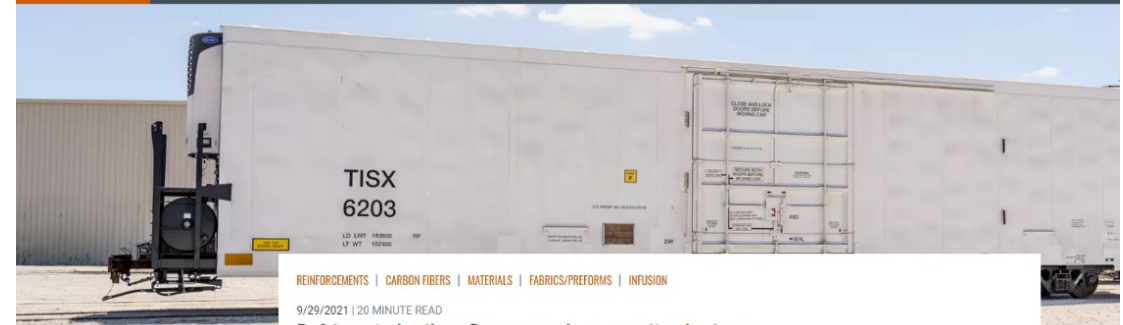
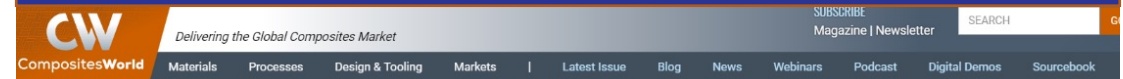
- Developed and fabricated bridge deck for Morgan County, TN. engineered for rural logging traffic and heavy loads.

## Trinity Rail

- Largest rail car develops refrigerated railcar floor, reducing weight and improving thermal efficiency



FRP bridge deck panels offer superior life-span at 1/5<sup>th</sup> the weight of reinforced concrete.



REINFORCEMENTS | CARBON FIBERS | MATERIALS | FABRICS/PREFORMS | INFUSION

9/29/2021 | 20 MINUTE READ

### Refrigerated railcar floor expands composites horizons

TrinityRail, in an effort to update a 20-year-old design, seizes the opportunity to apply composites in a structural application in its refrigerated railcar. It's a first for the rail and composites industry.

#feature

