



ALBANY
Engineered Composites

ADVANCED COMPOSITE SOLUTIONS



LIGHTER COMPONENTS. LOWER COST. STRENGTH WITHOUT COMPROMISE.

ADVANCED COMPOSITES ENABLING MORE EFFICIENT AIRFRAMES AND ENGINES

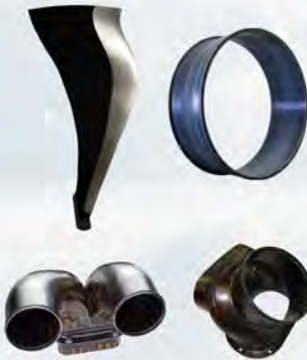


CAPABILITIES THAT DELIVER OEM ADVANTAGE

EVOLVING ENGINE PERFORMANCE

ADVANCED COMPOSITE SOLUTIONS FOR NEXT-GENERATION PROPULSION

Albany delivers flight-proven composite engine structures for the world's most demanding commercial and defense turbine applications. From fan blades and fan cases to advanced high-temperature components, our production-proven technologies enable higher temperature performance, significant weight reduction and scalable production. Backed by integrated design, manufacturing and qualification expertise, we help OEMs improve efficiency, accelerate industrialization and bring next-generation propulsion platforms to market faster.



APPLICATIONS

- FAN BLADES & FAN CASES
- COMPRESSOR & TURBINE STRUCTURES
- ENGINE NACELLES & EXHAUST SYSTEMS
- HIGH-TEMPERATURE ENGINE COMPONENTS
- NEXT-GENERATION PROPULSION SYSTEMS

LEAP ENGINE

As a key SAFRAN partner, Albany has delivered more than 187,000 LEAP fan blades and 10,000+ fan cases with zero defects or returns - leveraging our proprietary 3D-woven composite technology



GE9X

Albany delivers advanced carbon composite ducting for GE9X and GENx platforms, engineered to withstand intense heat, pressure and vibration without compromise



ENGINEERING STRUCTURAL SOLUTIONS

LIGHTWEIGHT COMPOSITE AEROSTRUCTURES FOR NEXT-GENERATION AIRCRAFT

Albany is a trusted Tier-1 aerostructures partner delivering lightweight, production-ready composite solutions that reduce cost, replace metal and scale across high-rate commercial and defense programs. Our expertise spans highly integrated primary and secondary structures that improve aircraft performance while reducing assembly complexity and lifecycle costs for commercial aerospace, military and advanced air mobility platforms.



APPLICATIONS

- FUSELAGE STRUCTURES & FRAMES
- WING SKINS, SPARS & CONTROL SURFACES
- NACELLES & ENGINE STRUCTURES
- EMPENNAGE & TAIL STRUCTURES
- INTEGRATED AIRCRAFT ASSEMBLY

787

Albany manufactures nearly 300 unique composite fuselage frames for 787 sections 41, 43 and 47, applying industry-leading composite manufacturing technologies



F-35

From wing skins to STOVL lift-fan components, Albany supports the F-35 with 240+ unique composite parts and a proven record of 90,000+ on-time deliveries



THE ALBANY
ADVANTAGE



LIGHTER
BY DESIGN



BEST
VALUE

ALBANY TECHNOLOGIES

CAPABILITIES THAT DELIVER OEM ADVANTAGE

SOLVING TODAY'S CONSTRAINTS.
ENABLING TOMORROW'S PLATFORMS.

CAPABILITIES	OEM CHALLENGES	OEM OUTCOME
 3D-WOVEN STRUCTURES Integrated 3D fiber architectures that enhance strength, damage tolerance and load-carrying performance while reducing part count and assembly complexity	 Delamination risk in critical, high-stress structures, high part count and assembly	 Through-thickness reinforcement eliminates failure points, integrated features lower costs
 OUT-OF-AUTOCLOAVE PROCESSING Advanced composite manufacturing processes that achieve aerospace-grade performance without autoclave curing, reducing cost, energy use and production time	 High autoclave capital cost and production bottlenecks	 Lower cost, higher-rate scalable manufacturing
 HIGH-TEMPERATURE COMPOSITES Engineered composite materials designed to withstand extreme thermal environments in engine, missile, hypersonic and space applications	 Materials failing in extreme thermal environments, lack of scalable partners	 Reliable performance beyond 2,000°F+ with a reliable and scalable partner
 DESIGN FOR MANUFACTURING (DFM) Engineering approach that optimizes component designs for efficient, repeatable and cost-effective production at scale	 Complex designs increasing cost, lead time and production variability	 Optimized designs that improve quality, repeatability and production efficiency
 METAL REPLACEMENT SOLUTIONS Lightweight composite alternatives to metallic components that improve performance, reduce weight and enhance durability	 Excess weight limiting fuel efficiency and performance, long lead times for complex parts	 Lighter structures with equal or better strength, more reliable supply chain
 BRAIDED ARCHITECTURES Advanced fiber-braiding technologies that create composite structures with superior strength, efficiency and manufacturing consistency	 Complex geometries and inefficient load paths, high cost manufacturing methods	 Optimized structural performance in complex shapes with lower cost automated processes
 AUTOCLOAVE PROCESSING Precision composite curing process using controlled heat and pressure to produce high-performance aerospace structures with exceptional quality and repeatability	 Meeting stringent performance and quality requirements for critical structures	 High-performance composite parts with consistent quality and structural integrity
 FILAMENT WINDING Automated process that places continuous fibers in precise patterns to create lightweight, high-strength cylindrical and complex composite structures	 High material waste and inconsistent performance in pressure-bearing structures	 Lightweight, high-strength components with optimized fiber placement and repeatable production



HIGHER RATE
PRODUCTION



MISSION-CRITICAL
PERFORMANCE

LIGHTWEIGHT LIFT. SCALABLE INNOVATION. MISSION-CRITICAL PERFORMANCE.

ADVANCED COMPOSITES ENABLING NEXT-GENERATION
ROTORCRAFT, MISSILE, SPACE AND HYPERSONICS SYSTEMS

ELEVATING FUTURE VERTICAL LIFT

COMPOSITE ROTOR BLADE SOLUTIONS FOR NEXT-GENERATION VERTICAL LIFT

Albany is a proven rotorcraft blade partner delivering load-bearing, fatigue-critical composite structures for advanced air mobility and next-generation vertical lift platforms. Our lightweight, durable composite blade solutions are optimized for strength, fatigue resistance and manufacturability, while advanced fiber architectures and automated manufacturing processes enable consistent quality, scalable production and reliable performance in the most demanding flight environments.



BETA ALIA

Enabling the future of AAM. Albany combines proprietary 3D-woven composites, innovative blade architectures and scalable manufacturing processes to produce next-generation rotor blades



APPLICATIONS

- MAIN ROTOR BLADES
- TAIL ROTOR BLADES
- ROTOR SYSTEM COMPONENTS
- ADVANCED AIR MOBILITY PLATFORMS

THE NEXT GENERATION

Albany develops advanced composite rotor blade solutions engineered to meet the demanding performance, durability and manufacturability requirements of tomorrow's military aircraft

CAPABILITIES THAT DELIVER OEM ADVANTAGE



ADVANCING AIR & SPACE DOMINANCE

COMPOSITE SOLUTIONS FOR DEFENSE, SPACE & HYPERSONICS

Albany delivers mission-proven composite solutions for missile, space and hypersonic systems engineered for extreme environments, thermal protection and next-generation propulsion. From missile systems to advanced space structures and hypersonic vehicles, our technologies enable lighter weight, greater durability and mission-critical performance while supporting scalable production for the world's most demanding defense and aerospace platforms.

HYPERSONICS



As a pioneer in 3D-woven using high-temperature composite materials, Albany delivers advanced thermal

structures that help enable the performance, affordability and manufacturability required for next-generation hypersonic vehicles

JASSM



Albany has produced 1,000+ JASSM and LRASM net-molded braided and infused missile bodies and

spars, leveraging advanced braiding and resin molding technologies

SOLID ROCKET BOOSTERS



Albany develops advanced composite solutions for solid rocket motors and boosters designed

to withstand extreme temperatures, high loads and mission-critical operating environments

APPLICATIONS

- MISSILES
- MUNITIONS
- SPACE STRUCTURES
- THERMAL PROTECTION SYSTEMS
- HYPERSONIC PLATFORMS

CAPABILITIES THAT DELIVER OEM ADVANTAGE



NEXT-GEN
READY

ALBANY
Engineered Composites

ADVANCED
COMPOSITE
SOLUTIONS

EXPERIENCE THE ALBANY ADVANTAGE

RECOGNITION & CERTIFICATION



National Aerospace and Defense
Contractors Accreditation Program
(Nadcap)



U.S. Department of War (DoW)
Cybersecurity Maturity Model
Certification (CMMC) Level 2



AS9100 Aerospace Quality
Management System



ISO 14001 Environmental
Management System



Forbes' America's Best Employers



EHS Today America's
Safest Companies

OUR TEAM



INNOVATION

Albany is innovating the full footprint of composite and multi-material design solutions to deliver unparalleled performance, rapid industrialization and affordability.



WORLD-CLASS TALENT

Our most important attribute. If you speak with our customers and suppliers, they will tell you what we already know – our Albany culture is very different and special. At Albany, we believe long-term mutual success can only be achieved through mutual respect, open and honest communication and true commitment to our customers and each other.



FOCUS

Our singular focus on effective and efficient composite structure manufacturing has generated an enormous wealth of experience and provides our customers with a more responsive partner for whatever challenges they face.



OUR VALUES

The People at Albany International make a difference every day. Their commitment, determination and performance strengthen our company, making it a better place to work while delivering value to our customers and shareholders.

Albany Wins Together

Count On Each Other

Own Your Actions

Care About Each Other

Share Your Enthusiasm

They shape our culture and define the character of our company.

2,300+ EMPLOYEES WORLDWIDE

1.5 MILLION ft² (140k m²) manufacturing space

**INDUSTRY-LEADING QUALITY
AND DELIVERY PERFORMANCE
TO OUR CUSTOMERS**

BETA

GE Aerospace

SAFRAN



Rolls-Royce

BOEING

Raytheon
An RTX Business

LOCKHEED MARTIN

Pratt & Whitney
An RTX Business

GLOBAL LOCATIONS

Salt Lake City
Utah

Rochester
New Hampshire

Kaiserslautern
Germany

Boerne
Texas

Commercy
France

Querétaro
Mexico

Albany Engineered Composites Facilities

Rochester, NH (USA)

Headquarters
Research & Technology Center
Production Facilities

Boerne, TX (USA)

Production Facility

Kaiserslautern, Germany
Production Facility
Research & Technology

Salt Lake City, UT (USA)

Production Facilities

Querétaro, Mexico
Production Facility

Colocated Production with Customer
Rochester, NH (USA)
Commercy, France
Querétaro, Mexico

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