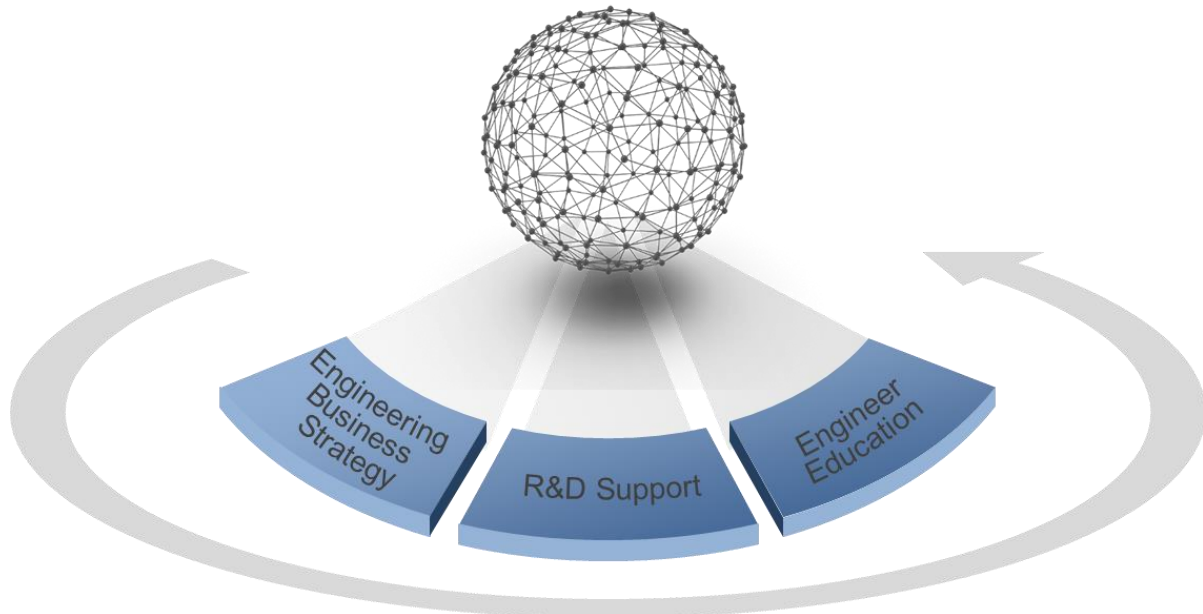


Your Partner for Solution

Composite Engineering Consultancy



PROPOSING THE SOLUTIONS OF ENGINEERING ISSUES BY WELL-EXPERIENCED EXPERT COMPANY IN COMPOSITE INDUSTRY.

Our consultancy backgrounds

- CFRP parts type certification (FAA) / mass production design experiences in aeronautical industries
- Unique network of composite industries and sales partners in Japan for business success
- Supporting companies in wide range of industries regarding composite engineering issues

Our consultancy offer

- Aeronautical certification engineering support
- Composite material design
- Composite material testing
- Mold die design for composites
- Manufacturing composite parts
- Inspection for composite parts
- Quality control system design
- Bonding / Adhesion
- Material / Process spec preparation
- Component testing
- Engineer education for composites
- New engineering and business strategy
- Technical sales activities in Japan

FRP consultant

FRP Consultant Corporation

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For more information about us



FAA Design Certification

Key engineering requirement regarding
Composite design/Material/Process



Composite Design Practice

Drawing / Component test /
Simulation / Material / Quality

Start-up Mass Production in U.S.

Production quality issue solution
High productivity practice

KEY TECHNOLOGIES OF FRP CONSULTANT CORPORATION

FAA Design Certification

- Design Certification
Drawings, material / process specification, and process certification of composite parts
- Material Specifications
Material test plan / material test report preparation for composites
- Process Specification
Material / molding-machining supplier audit for composite parts production

Composite Design Practice

- Composite Part Drawings
Ply table, NDI requirement, tolerance considering process and material features
- Composite Material Testing
Static and fatigue testing of tensile, in-plane / interlaminar shear by test coupon basis
- Process Development
Cutting, layup, molding, machining, inspection
- Composite Component Testing
FOD, vibration, and fatigue
- Material design curve preparation by material test result analysis
- Strain distribution analysis by simulations

Start-up Mass Production in U.S.

- Experience of technology transfer for outsourcing of composite parts mass production to suppliers in U.S., considering productivity
- Production development and proposals for quality issue solution by engineering negotiation with local suppliers
- Process data analysis and parameter optimization approach
- Data validation of dimensional inspection and NDI
- Yield ratio improvement approach, utilizing process specifications