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
Kashima Build. 4F
2-5-2 Tate, Shiki-City, Saitama, Japan
353-0006
info@frp-consultant.com
https://www.frp-consultant.com/en/
Composite Aircraft Engine Parts

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