



AEROSPACE COMPOSITE CAPACITY IS BECOMING A CONSTRAINT.

AERODEF STRUCTURES IS BUILDING AN INDIA-BASED ALTERNATE SOURCE FOR COMPOSITE STRUCTURES.



LONG LEAD TIMES
Slow programs



COST PRESSURE
Eroding margins



CAPACITY CONSTRAINTS
Limiting growth



RISK OF SINGLE SOURCE
Supply disruption



NEED FOR INNOVATION
In new materials & processes

WE HELP YOU SOLVE THESE CHALLENGES WITH **LOWER COST. MORE CAPACITY. FASTER INDUSTRIALIZATION.**

WHAT WE CAN DO TODAY



COMPOSITE PROTOTYPING
Wet layup manufacturing for composite structures and prototypes.



PHASE-1 FACILITY
Operating from KIADB Aerospace Park, Bengaluru.



ENGINEERING + DFM
Work with customers to develop and industrialize composite parts.



PARTNER NETWORK
Prepreg / OOA capability available through qualified partners.

OUR JOURNEY: FROM TODAY TO HIGH-RATE PRODUCTION



TODAY

WET LAYUP PROTOTYPING & MANUFACTURING

- In-house wet layup for prototypes & low-volume parts
- DFM, iteration and functional testing
- Fast turnaround and customer focused execution



What we can do today



NEXT

OOA COMPOSITE MANUFACTURING

- OOA / Prepreg work through strategic partners
- Building in-house OOA capability
- Process control & quality systems
- Scale for production parts



What we are building next



BUILDING

HIGH-RATE COMPOSITE MANUFACTURING

- Thermoplastic capability
- Automation & advanced manufacturing
- Higher-rate production cells
- Multi-program, serial production



Where we are heading

CURRENTLY BUILDING CUSTOMER PIPELINE ACROSS



UAVs / DRONES



AEROSPACE



DEFENCE



SPACE



MRO



PHASE ZERO FACILITY
Setup in progress at KIADB Aerospace Park, Bengaluru



CUSTOMER PROGRAMS IN DEVELOPMENT
Multiple programs across UAV, Aerospace & Defence



PRODUCTION CAPABILITY BEING EXPANDED
People, processes & equipment to scale with customer demand

WHY CUSTOMERS PARTNER WITH AERODEF



COST

Lower-cost manufacturing to protect your margins.



CAPACITY

Additional and alternate capacity to meet program demand.



SPEED

Faster development, iteration and industrialization.



FLEXIBILITY

Prototype to production pathway with material and process choice.



QUALITY

Built-in quality systems and a clear path to aerospace qualification.



HAVE A COMPOSITE PART THAT NEEDS A BETTER SOURCE?

Let's talk and explore how AeroDef Structures can add value to your program.



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