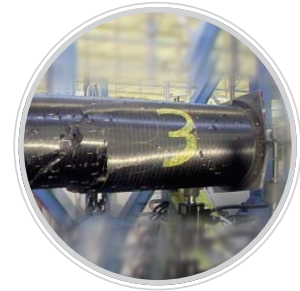


LIGHTWEIGHT BALLISTIC TOLERANT THERMOPLASTIC FUSELAGE STRUCTURE

Demonstrated successful prototype 6 Foot x 3 Foot Tailcone structure

- > 30% weight reduction over similar in-autoclave composite structure
- Eliminates need for fasteners and touch labor
- Structure tested against MANPADS (proximity), slewed laser with simulated airflow, and 23mm HEI with design and get home flight loads
- Out of autoclave net shape processing
 - » Tape Placement
 - » Demonstrated technology feasibility



Demonstrated design customization (tailored properties)

- Exceeded torsion properties of Alu
- Integrated electronics deck

