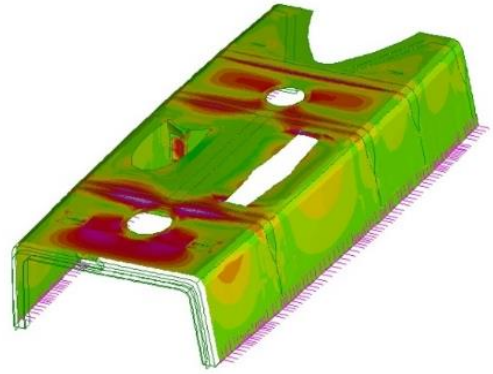
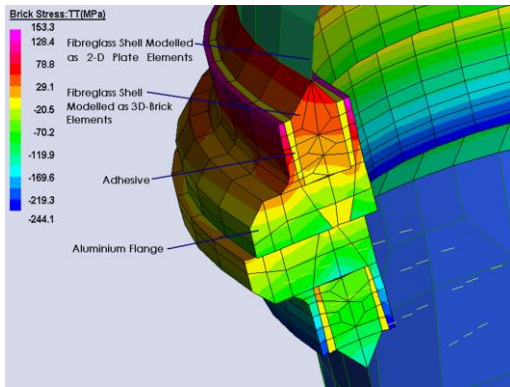


airspeed



Design capabilities encompass all aspects of engineering pertaining to composite materials including finite element analysis (FEA), computational fluid dynamics (CFD), 3D computer aided design (CAD) and RF transmissivity analysis.

Manufacturing capabilities include multi-axis filament winding, laminating (autoclaved, vacuum-bagged & oven-cured), and resin infusion using carbon, aramid & glass fibres, supported by computer numerical control (CNC) machining centres.

Experienced in delivering cost effective lightweight maritime structures using resin infusion and pre-impregnated materials.

- Our submarine work replaces heavy steel structures with lightweight, resin-infused composite structures to reduce topside weight and restore submarine stability margins.
- Contemporary submarine projects include flank array fairings and filament wound composite pressure vessels.
- Our surface ship work centres on resin-infused, lightweight composite structures using fire retardant resins.
- Currently manufacturing Replenishment At Sea Stump Mast (RASSM) for BAES Type 26 and Hunter Class FFG.

Continually improving the benefits of composites through in-house R&D programs in areas such as material toughness, out-of-autoclave techniques and low observable technologies.

