

AVC

AVIATION COMPOSITES



Experts in Composite and Bonded Materials Maintenance

About Us



At AVC, we specialise in the maintenance and repair of composite and bonded aircraft structures, providing comprehensive solutions for a range of aircraft from turbo prop planes to modern commercial jets. With over 30 years of experience, we offer an extensive service portfolio, including testing, repair, maintenance, overhaul and modification of critical components such as nacelles, radomes, flight controls, and other composite parts.

Our commitment to quality and innovation ensures that we remain a trusted partner for airlines in the Asia Pacific region.

We understand the complexities of maintaining aircraft parts made from composite and other advanced materials. Our team of experts, working with approved SRM manuals and collaborating with local Engineers, to design tailored repair solutions that are both cost-effective and durable.

By combining our extensive expertise with cutting-edge technologies, we take pride in delivering reliable and flexible MRO (Maintenance, Repair, and Overhaul) services that meet your unique operational needs. Our capabilities encompass composites, bonded structures, metalwork, and painting, ensuring comprehensive support for your aircraft.

Complete Repair and Overhaul Service

AVC offers comprehensive repair and overhaul services, including On-Wing repair support for a wide range of aircraft, including:

- Airbus
- Bell
- Boeing
- Bombardier
- British Aerospace
- Cessna
- Embraer
- Eurocopter
- Fokker
- Gulfstream
- Learjet
- Pilatus
- Sikorsky, and more.



Flight Controls

1. Aileron
2. Slat
3. Flap
4. Spoiler
5. LE Flap
6. Rudder
7. Elevator

Nacelle

8. Inlet Cowl
9. Fan Cowl
10. Thrust Reverser

Other Structural Components

11. Wing Fixed LE Panels
12. Wing Fixed TE Panels
13. Landing Gear Doors
14. Flap Track Fairings
15. Body Fairing
16. Radome
17. Winglet
18. Horizontal Stab Leading Edge
19. Vertical Fin Leading Edge

Aircraft Interior

- Aircon Ducting
- APU Ducting
- Floor Panels
- Wall/Ceiling Panels
- Seats
- Galleys
- Lavatory

On-Wing

On-Wing Aircraft

C1

Air Conditioning & Pressurisation

C6

Interior Equipment & Furnishings

C18

Protection (Ice/Fire/Rain)

C20

Structural Repairs & Modifications

D3

Composites

Surface Finishing/Painting

Accredited Service, Expertise, and Facilities

AVC is an accredited CASA Part 145 facility, meeting the highest standards for aeronautical maintenance.

Our scope of licenses includes a wide range of specialisations, ensuring we can provide comprehensive support for your aircraft's needs.

On- Wing

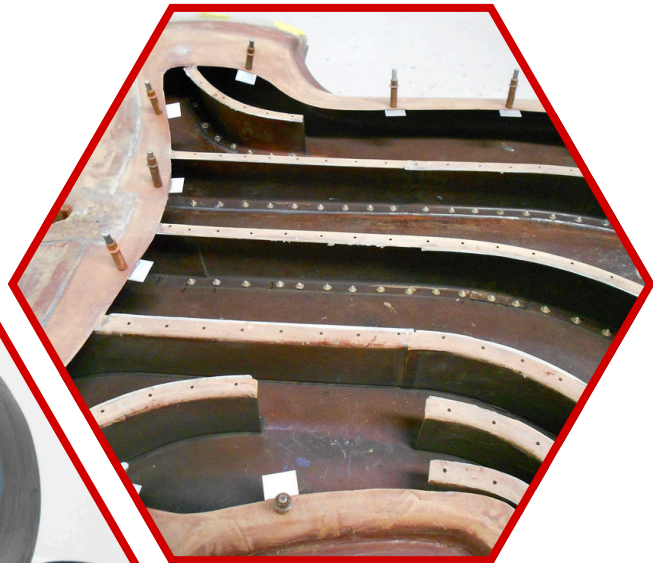
Maintenance
and Repair
Tasks performed
on Aircraft

All types
of Composite
Repairs
and Surface
Finishing Australia
Wide



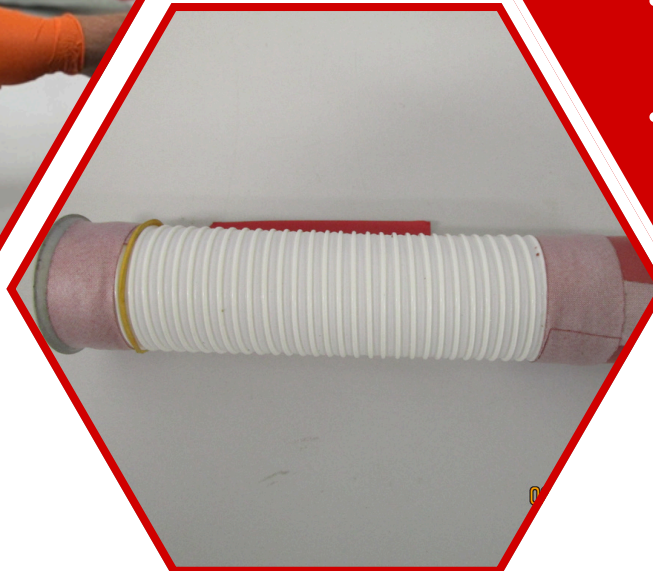
C1

Air Conditioning & Pressurisation



Repairs of:

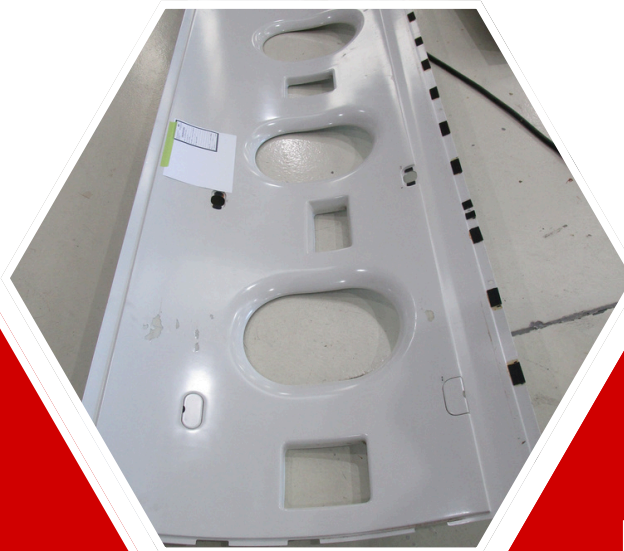
- APU Ducting
- Composite Ducting
- Rigid + Flexible Interior Ducting
- Insulation Blanket Repairs



C6

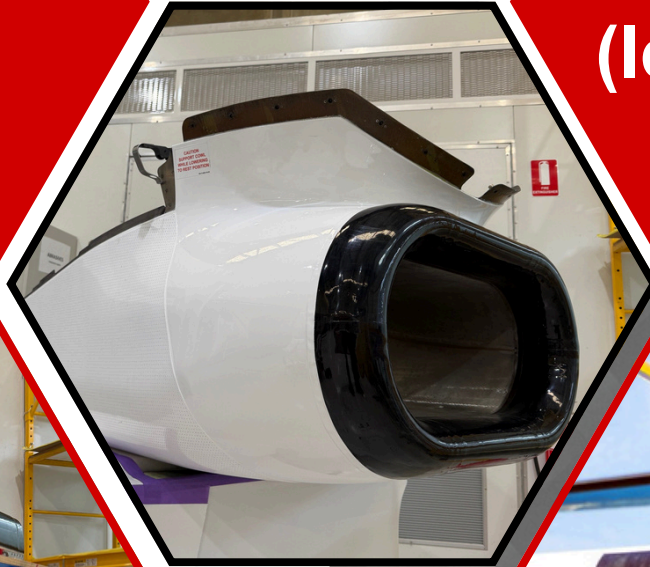
Interior Equipment & Furnishings

- Floor Panels
- Wall/Celling Panels
- Seats
- Galleys
- Lavatory's



C18

Protection (Ice/Fire/Rain)



De-Ice Boot

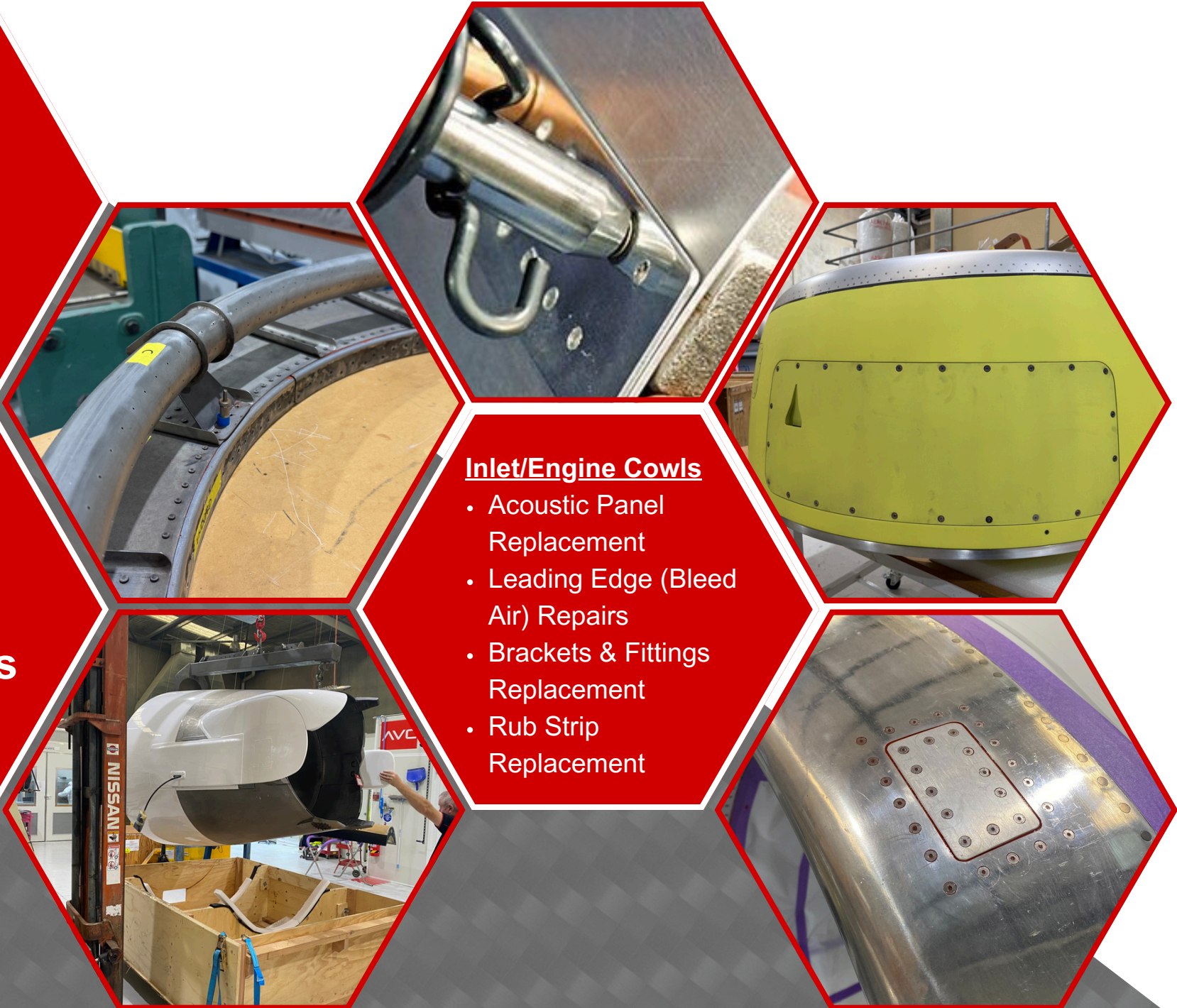
- Inspect
- Repair
- Replacement

C20

Structural Repairs & Modifications

Inlet/Engine Cowl

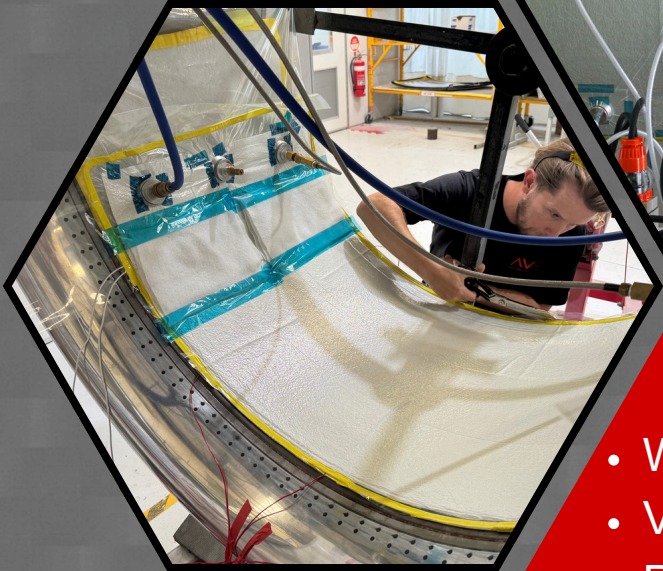
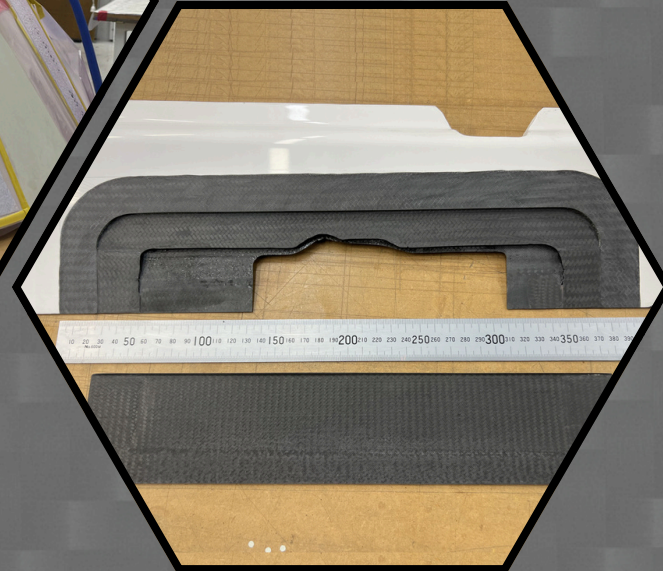
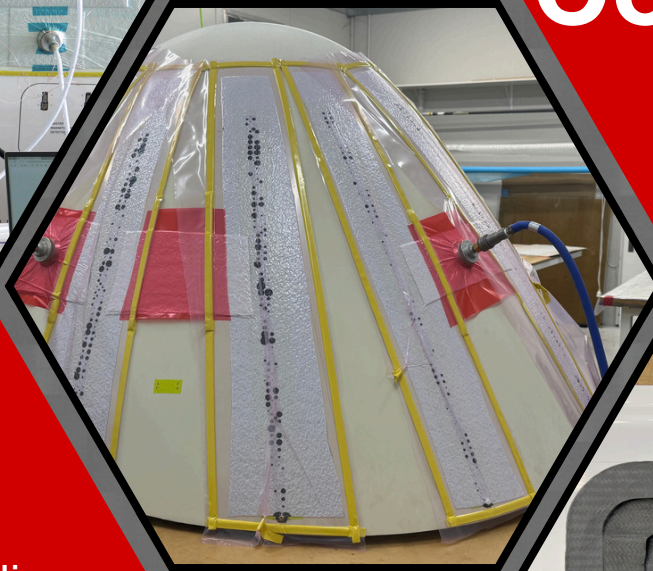
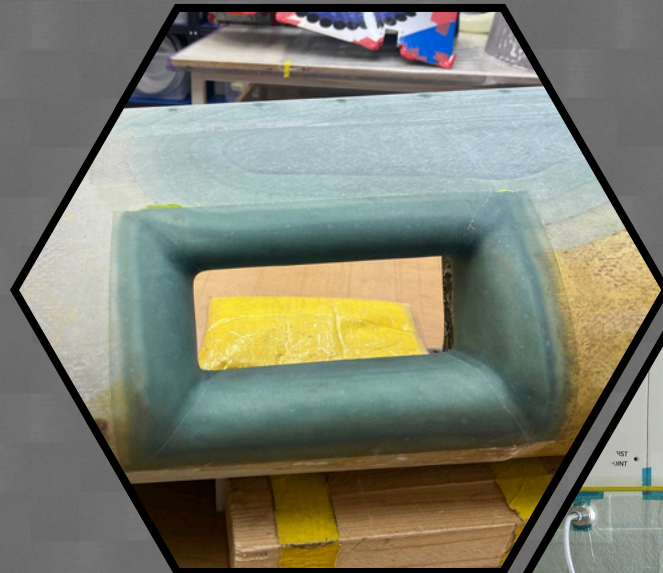
- Acoustic Panel Replacement
- Leading Edge (Bleed Air) Repairs
- Brackets & Fittings Replacement
- Rub Strip Replacement



D3

Composites

- Wet Laminating
- Vacuum Bagging
- Pre-Preg Hot Bonding
- Metal Honeycomb Hot Bonding





Surface Finishing/ Painting

D3

- Pressure Pack Painting
- Spray Gun Painting

Under the approvals, we offer repair services both at our facility and “on-wing” with our specialised on-site repair capabilities.

We are equipped to handle complex composite repairs and refinishing of components post repair, whether at your hangar or our facility.

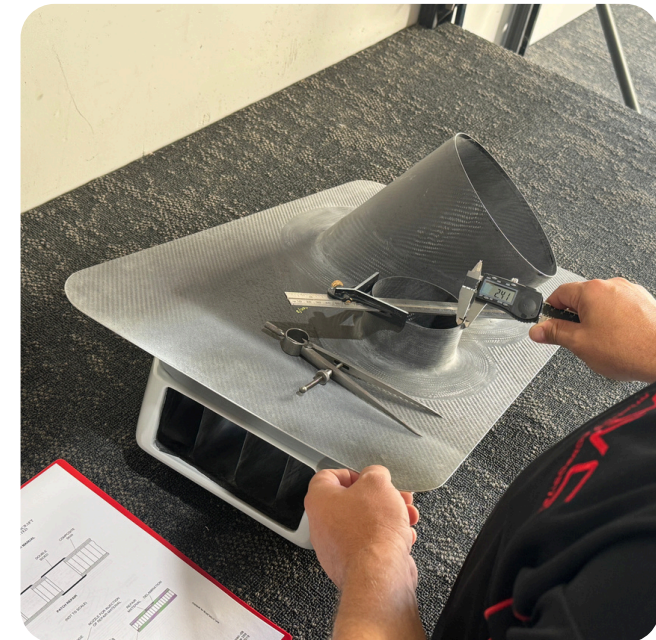
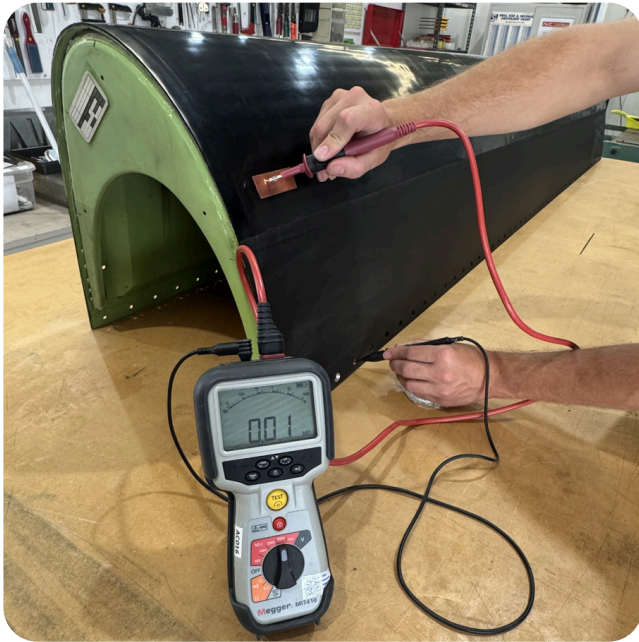
Additionally, we provide AOG (Aircraft on Ground) support, including after-hours and weekend services, through our dedicated call-out roster system.

Quality Management System

Quality Management and inspection procedures have been at the core of our operations from day one.

Every stage of production and inspection is meticulously documented, and our robust tracking system allows us to swiftly identify and resolve any issues that may arise during development and manufacturing.

By adhering to rigorous total quality management practices, and through our strong, long-term partnerships with customers and material suppliers, we continue to uphold our position in the composites industry.



Repair Facilities

Our facilities are equipped with the latest technology to ensure the highest quality repairs

- All requirements for CASR Part 145 Approval
- Clean professional preparation, laminating, grinding and finishing areas
- A controlled environment laminating room with vacuum bagging
- Curing Ovens with Vacuum and Cure Cycle Temperature Data Logging
- Two-part Preparation Booths and large capacity downdraft Paint booth to Australian standards
- Dedicated Sheet metal fabrication workshop for custom repairs
- Computer-controlled hot bonders with heater blankets for accurate composite bonding
- Modern Administration & Component storage areas





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