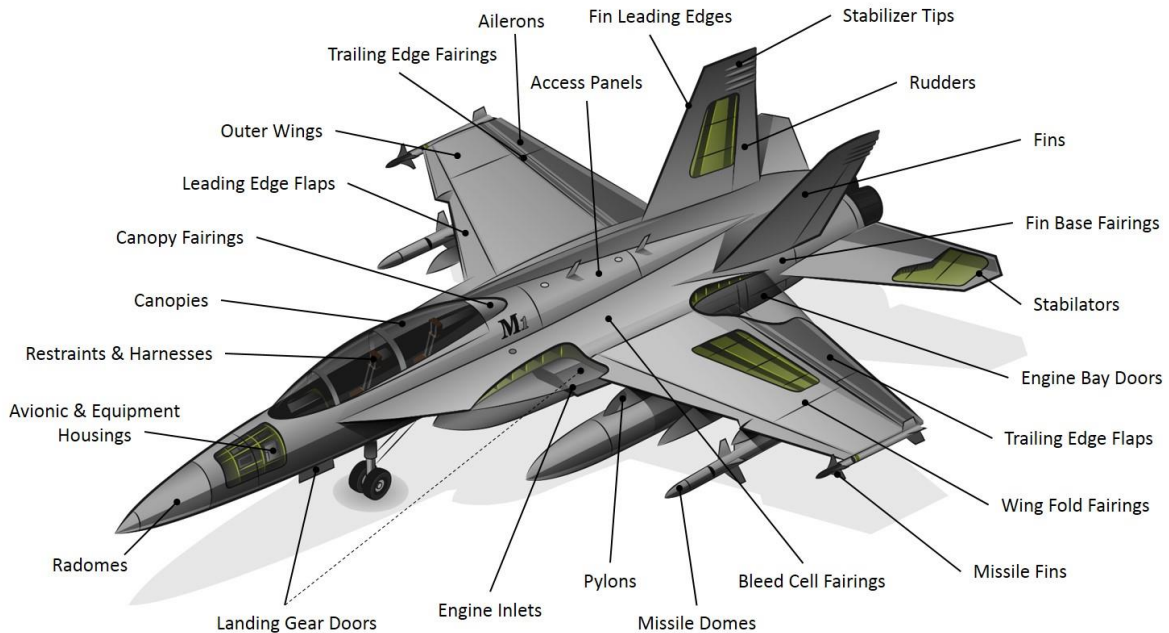




## Military Capability Overview

M1 Composites has the capability to maintain and repair composite, metallic, and industrial fabric materials. M1 Composites has developed a strong expertise and speciality in maintenance and repair of **FLIGHT CONTROL SURFACES, NACELLES, and RADOMES.**

The equipment, facilities, materials & processes, and technicians required to perform repairs on flight control surfaces, nacelles, and radomes, is the same as those required for a variety of **OTHER** structures and interiors of commercial fixed-wing aircraft.



*Figure 1: Capabilities at a glance*

M1 Composites performs maintenance and repairs, including but not limited to: prepreg and wet layup carbon fiber, fiberglass, & Kevlar laminates. Honeycomb (Nomex® & metallic) core and foam core, sheet metal repairs (aluminum, titanium, steel), and industrial fabrics (cut & sew of textiles and tissues).

M1 Composites is also performing various painting repairs/tasks on a variety of aircraft/components that may not be listed in the above list. Such activities are always performed in accordance with the customer requirements.

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## Manufacturing

M1 Composites possesses robust **manufacturing capabilities** encompassing both composite and metallic materials. Leveraging a range of advanced technologies, such as **autoclave curing** and precision machining, we efficiently produce complex structures and components with stringent adherence to aerospace specifications. Our expertise extends from design and engineering through fabrication, ensuring high-quality outcomes for various aircraft platforms.

M1 Composites holds notable expertise in radome manufacturing. Leveraging advanced materials and manufacturing techniques, M1's capabilities ensure optimal radar functionality and aircraft efficiency, with thorough transmissivity testing conducted using an in-house dedicated **transmissivity tester**.

## Platforms

M1 has repair and/or manufacturing experience on the following platforms:

- C-5
- B-1
- A-10
- F-16
- CH-47
- CC-150
- CT-114
- CP-140
- T-38

And many more...