

# First Aviation Services, Inc

## Aerospace Maintenance Overview

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# What is a MRO??

MRO stands for maintenance, repair and overhaul. Aviation MRO refers to the specific repair, service or inspection of an aircraft. The practice encompasses that of all maintenance activities done to ensure the safety and airworthiness of an air transport vehicle.

An MRO facility is any location, workshop or hangar that engages in and conducts aircraft maintenance professionally. MRO facilities and technicians help to keep airplanes running safely and reliably through the use of [aircraft ground support equipment](#). But it's important to remember that, while the term "MRO facility" covers a broad swath of the industry, the specific business models vary greatly.

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# Independent Repair Stations

Independently owned [repair stations](#) are typically small and operated by a handful of employees, but some can also be owned by large corporations. These smaller MRO stations usually specialize in one or two areas of expertise, like aircraft interiors or landing gear.

While there isn't as much potential for growth with these repair stations, they do maintain their niche. Larger market players aren't always interested in getting into the more specialized MRO services as the ROI on the equipment and staff simply isn't there. So, many will utilize independent repair stations for specialized services.

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# What is an FBO??

- A fixed-base operator (FBO) is usually located at large, non-commercial airports. The majority of FBOs support the local aviation community. Some offer full-service repairs for any aircraft on-station. If necessary, aircraft will go off-station for additional support or technical assistance.
- The majority of General Aviation is considered FBO.

# Commercial Airline Hubs

Major commercial airlines maintain the biggest market share of mechanics and technicians in the civilian MRO market. Because commercial airline MROs exist solely to support the airline's fleet, there typically isn't a specific business model in place.

Commercial airline MRO facilities are usually located at the airline's major hub. As these MROs are owned and operated by the airline, they provide all levels of services and repair. As a general rule, most major airline MRO facilities don't subcontract work for competing airlines, but there are sometimes exceptions. MRO services should coincide with hub locations when possible to maximize efficiency.

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# Maintenance, etc

Remember though...the repair station industry goes beyond providing services for just this one segment of aircraft maintenance; it is huge, covering all segments of aircraft maintenance. Regardless of what segment of the aircraft maintenance industry you work in, be it general aviation aircraft, business aircraft, helicopters, airline, military, or government, etc, aircraft owners and operators today rely on numerous organizations as part of their overall maintenance, repair, and overhaul requirements.

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# FAA A&P Certificate

Why is it important?

What can it be used for?

Next steps?

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# FAA A&P Certificate

The FAA A&P Certificate: your ticket to learning!

As you know, it's \*the\* item needed to sign off and certify maintenance performed on aircraft, along with the respective training for that task.

Why is it important to have?

Why do employers want you to possess this?

Why does it benefit you and your employer?

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# FAA A&P Certificate

The FAA A&P Certificate: so much more than commercial maintenance!

Used in Aerospace, outside of aircraft maintenance

- Logistics
- Sales
- Parts Manufacturer Approval (PMA)
  - Leadership positions
  - Executive Management

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# FAA A&P Certificate

The FAA A&P Certificate: how to leverage your qualifications

Need is high for qualified technicians

- Commercial Aircraft Maintenance (Airlines)
  - General Aviation (GA)
- Maintenance, Repair and Overhaul (MRO)
- Component Repair Centers (Engines, LRUs, etc)
  - Contracts and Modification Teams

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# FAA A&P Certificate

Your FAA A&P Certificate: next steps to success

Why Aerospace and Aviation?

What interests you?

What impact do you want to make on Aerospace and Aviation?

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