

Research Work Title

**The CFM56 Turbofan Engine Maintenance and Testing Services
in the Test Cell**



Executive Organization | Iran Aviation Industries Company

Representative | Abdolali HEYDARZADEH

Abstract

This project aims to eliminate the need for airlines' maintenance and overhaul activities to achieve self-sufficiency and economic savings and create knowledge-based employment in the country. The project outline is as follows:

- Designing, manufacturing, and supplying special tools needed for disassembly and assembly of engines and modules, as well as repair of engine parts
- Designing, manufacturing, and supplying the tools and equipment required to provide engine testing capabilities
- Preparing technical manuals for engine testing
- Establishing the repair process for engine parts and systems by obtaining the necessary permissions from the Civil Aviation Organization of the I.R. Iran (ICAO)
- Designing and manufacturing a static and dynamic balancing device for engine rotating parts in cooperation with a domestic knowledge-based company
- Obtaining the certificates, standards, and final product approvals from competent national and international authorities

