

SOURCE OF POWER



TUSAŞ MOTOR SANAYİİ A.Ş.
TUSAŞ ENGINE INDUSTRIES, INC.

COMPANY PROFILE

Foundation	: 1985
Number of Employees	: 3,500 +
Total Area	: 505,000 m ²
Indoor Area	: 156,500 m ²

ACTIVITY AREAS

- Parts and Module Manufacturing
- Engine Assembly, Inspection and Test (AIT) / Maintenance, Repair and Overhaul (MRO)
- Engine Design and Product Development

PARTNERSHIP STRUCTURE



50.5%



GE Aerospace

46.2%



3.3%

SUBSIDIARIES

TEI METAL (100%)
TEI ALAŞIM (100%)

MISSION

To be a leading OEM that provides services, develops and produces globally competitive, sustainable and indigenous aerospace power systems and their derivatives.

VISION

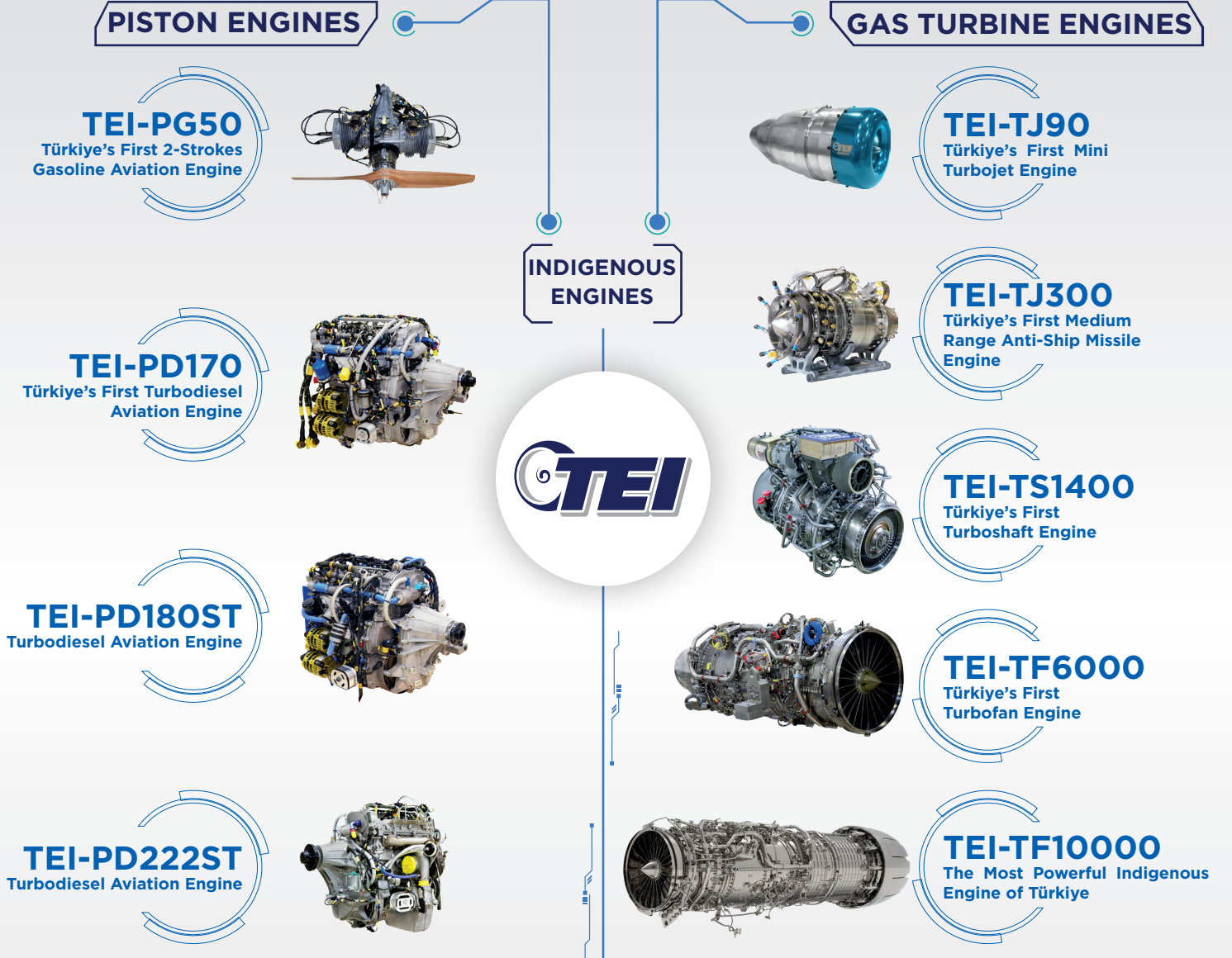
To achieve globally competitive indigenous power systems.

Appreciation and respect, trustworthiness and proactiveness enable us to make best of all to get excellent results.

ENGINE DESIGN AND PRODUCT DEVELOPMENT

TEI Design Engineering Team is equipped with all design disciplines necessary to design an engine, and then to make it a merchantable product.

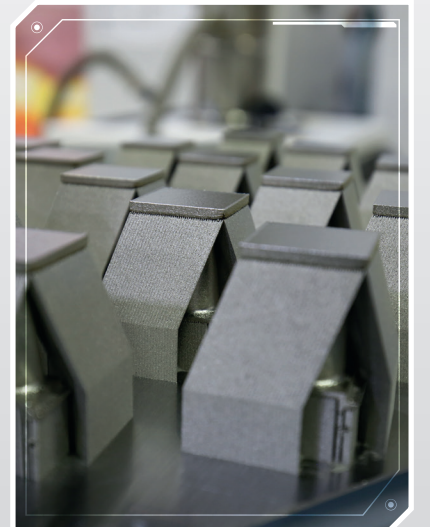
In parallel to advanced manufacturing technologies it has, TEI carries out planned activities to accomplish its target of domestically made engine with an indigenous design, in line with its mission of becoming a leading engine company globally. Accordingly, several projects are now carried out.



TECHNOLOGY DEVELOPMENT PROJECTS

In line with the needs of Türkiye, projects are carried out at TEI for the development of high-tech materials and processes used in the production of aviation engines with domestic resources. Within this scope, additive manufacturing, superplastic forming, forging and titanium precision casting processes, Single Crystal and Directional Solidification Blade Casting Technology, Nickel Metal Powder Development for Additive Manufacturing, Development of Additive Manufacturing of Ti Alloys Using Electron Beam Melting, were developed for aviation applications respectively, with the Yakut, Dilek, Örs, İnci, Kristal, Atom and Elektron projects, and the projects were successfully completed.

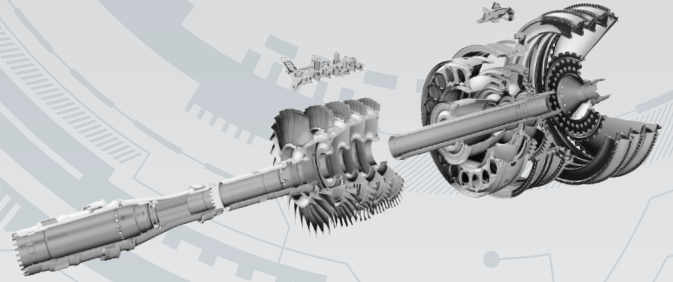
Ongoing projects; DİNÇ (Aviation Grade Stainless Steel and Nickel Based Superalloy Development), ASLAN (Development of Aluminum Casting Processes for Aviation TEI-PD170 Engine Block)



ENGINE PART AND MODULE MANUFACTURING

TEI, having started its manufacturing activities with 12 parts, currently manufactures approximately 2,000 components for more than 50 different engine programs with its nearly 40 years experience in part and module manufacturing.

- ▶ Rotating Parts (Shaft, Seal, etc.)
- ▶ Modules (Power Turbine Module, Front Bearing Structure Module, etc.)
- ▶ Fabricated Parts (Mixing Duct, Swirl Frame, etc.)
- ▶ Structural Parts (Intermediate Casing, HPT Casing, Combustion Casing, etc.)
- ▶ Blisk and Spool Manufacturing (Compressor Stg 1 - Stg 5 Blisks, HPC Spool Shaft Stg 10 - 14, etc.)



ADVANCED MANUFACTURING TECHNOLOGIES

Advanced manufacturing technologies, recently being used on new generation engines, are regarded as state of the art and advanced level applications for aviation industry. TEI holds inertia welding and high-speed blade milling capabilities, which are high-tech manufacturing methods currently employed in only a few countries around the world.

TEI has been certificated in accordance with EN/AS9110 standard, which describes the requirements of quality management system for aviation, aerospace and defense organizations. In addition, TEI has Nadcap accreditations for 45 different special processes among 10 different specific services categories.



TEI, which is the largest supplier in the world, has been awarded the Best Supplier Award twice in a row by GE Aviation and SAFRAN Aircraft Engines thanks to its competitive prices, timely delivery to many different parts, and producing with high quality for the most preferred CFM56 and LEAP engine programs with its manufacturing capabilities.



One of every two aircrafts flies with TEI parts.

A detailed view of a jet engine, showing the compressor, combustion chamber, and turbine sections. The engine is shown from a side-on perspective, highlighting its complex internal components and the large fan at the front. The engine is mounted on a test cell, with various pipes and sensors visible. The background is a plain, light-colored surface.

11a

WFO



MAINTENANCE ORGANISATION APPROVAL CERTIFICATE

EASA.145.0767

TUSAS MOTOR SANAYI A.Ş.

356 ESİTENTPE MAHALLESİ
CEYREYOLU BULVARI
26210 TEPEBAŞI EKİŞEHRİ
TÜRKİYE

Pursuant to Regulation (EU) No 182/2008 of the European Parliament and of the Council and to Commission Regulation (EU) No 1321/2014 for the time being in force and subject to the conditions specified below, the Agency hereby certifies:

CONDITIONS:

- This approval is limited to that specified in the scope of work section of the approved maintenance organisation exposition as referred to in Section 4 of Annex I (Part-M), and
- This approval requires compliance with the procedures specified in the approved maintenance organisation exposition; and
- This approval is valid whilst the approved maintenance organisation remains in compliance with Annex I (Part-M) of Regulation (EU) No 1321/2014.

Subject to compliance with the foregoing conditions, this approval shall remain valid for an unlimited duration unless the approval has previously been surrendered, superseded, suspended or revoked.

Date of expiry issue: **3 January 2018**

Date of this revision: **7 February 2019**

Revision No: **1**



For the European Aviation Safety Agency,

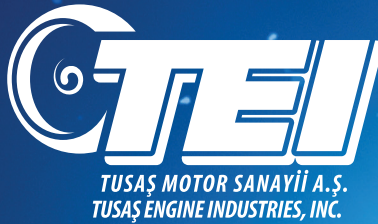


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