

AERO TURBINE INC

Capabilities Presentation
March, 2024

www.aeroturbineinc.com

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AERO TURBINE, Inc. (ATI) - Location



- ATI is a U.S.-owned business, located at the Stockton Metropolitan Airport, Northern California
- Allows us to test our engines with a minimum of constraints
- Allows clients to fly in
- Gives ATI an added measure of physical security.



AERO TURBINE Inc. - History



- Since 1978, Aero Turbine, Inc. (ATI) has been at the center of military engine overhauls, repairs, and modifications
- ATI supports U.S. Air Force, Navy, and Army contracts
- ATI supports multiple legacy and specialty engines and is the source of innovative repair solutions for domestic and international fleets
- Our engines power the A-37, T-37, T-38, F-5, and Kfir aircraft worldwide
- Awarded the Region IX Prime Contractor of the Year for performance on the J85 – Management Items Subject to Repair (MISTR) contract
- FAA Class I Accessory Rating authorizes us to repair and overhaul commercial engine accessories



46 YEARS - IN BUSINESS

Quality. Performance. Trust.

AERO TURBINE Inc. - Our Mission



Our Company Mission

*“To provide the highest quality standard of MRO and consultative services within the U.S. and Internationally to achieve the **highest level of customer satisfaction**”*

Douglas R. Clayton, President

AERO TURBINE Inc. - Facilities

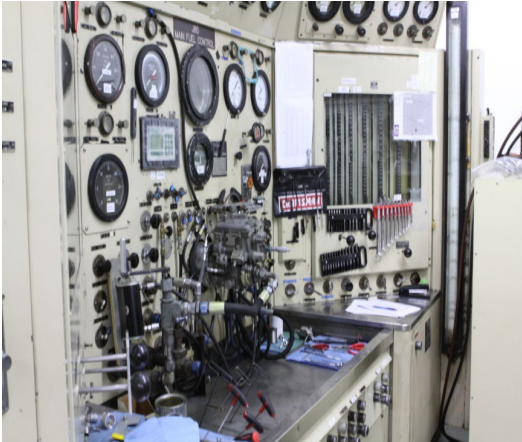


6800 S. LINDBERGH STREET - MAIN HANGAR – 46,000 sq ft

- Executive & Admin Offices
- NDT Lab
- Thermal Spray Booth
- DCMA Inspection Room
- Engine Shop
- Chemistry Lab
- QA Inspection Clean Room
- Shipping and Receiving
- Accessory Shop
- Cleaning Facility
- QA M&I Lab
- Tech Library



AERO TURBINE Inc. - Accessories Workshop



AERO TURBINE Inc. - Facilities



Dixon Building – 14,000 sq ft

- Accounting Offices
- IT Staff
- Business Development Office
- Preparations being made for new Weld Shop
- New engine line shop



AERO TURBINE Inc. - Facilities



Ford Building – 10,000 sq ft

- Engine Compressor Shop
- Machine Shop
- Inventory bond room



AERO TURBINE Inc. - Test Cell



A/M37T-20C Outdoor Test Cell

- Newly upgraded by the OEM, with ADAQ system for automated data acquisition and reporting
- Universal application with Thrust Bed
- Currently set-up to test J85-5, J85-13, J85-17, J85-21, J85-CAN-15, J79 and J69 Engines
- U.S. Air Force approved
- Adaptable to many other engine models
- Currently in negotiations to add the Rolls-Royce Adour 861A Engine
- ATEC has set up F100 test cells worldwide



AERO TURBINE, Inc. - Accreditations



Quality System

- AS9110 C
- ISO9001:2015

Current Nadcap Accreditations for Special Processes

- AC7102 Heat Treat
- AC7108 Chemical Processing
- AC7109 Coatings (Thermal Spray)
- AC7110 Welding
- AC7114 Non-Destructive Testing
- AC7130 Measurement and Inspection



AERO TURBINE Inc. - Authorizations



USAF J85 MISTR – Depot Level Qualified 74 Line Items

USAF – Source Approved for J85-5 and J85-21 whole engines

USN – Source of Repair for J85-4 Engine Components

USN – Source Approved for J85-21 whole engine

T56 / J69 – AWARS Honeywell

J69 Teledyne – Engine Component Manufacturing & Distribution Agreement

FAA REPAIR STATION 145, CLASS 1 Accessory Rating

AERO TURBINE Inc. - J85 Overview



- U.S. Air Force Source Approved for J85-21 and J85-5 whole engine and accessories.
- U.S. Navy Source Approved for J85-21 and J85-5 Engine repairs and overhaul.
- U.S. Navy Source of Repair for J85- 4 Engine Components.
- Prime contractor for the U.S. Air Force J85 MISTR contract - Depot Level Qualified 74 Line Items.
- Prime contractor for the U.S. Air Force J85 MRO Augmentation contract.
- Prime Contractor for U.S. Navy MAC IDIQ for J85-21
- Robust J85 inventory in stock to support complete MISTR, FMS, and commercial contract support.
- Specialized training capabilities for all J85 accessories and engine component repairs



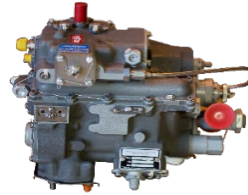
AERO TURBINE Inc. - Accessories



Overspeed Governor



Main Fuel Control



VG Actuator



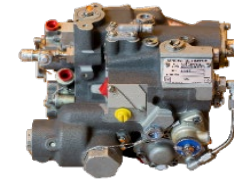
VEN Power Unit



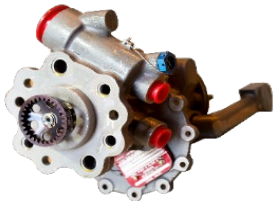
Accessory Gearbox Cover



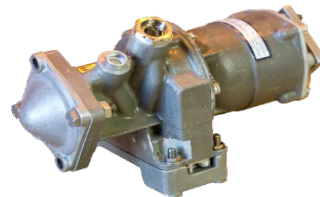
AB Fuel Control



Lube Pump



AB Fuel Pump



Iso Governor



AERO TURBINE - Component & Accessory Support

Turbine Rotor

Turbine Case & Stator

Compressor Rotor Assy.

Comp. Case & Stator Assy.

Accessory Drive Gearbox

1st Stage Turbine Nozzle

2nd Stage Turbine Nozzle

PTO Drive Assy.

Case Combustion Chamber

Flame Holder

Rear AB Liner

Exhaust Nozzle Housing

AB Casing Assembly

Casing Front Frame

Stack Ring Liner

Shroud, Segments

Front Frame

Oil Tank

Main Fuel Control

AB Fuel Control

Hydraulic VPU

Mechanical VPU

Main Fuel Pump

AB Fuel Pump

Main Fuel Nozzle

AB Main Spray Bar

Pilot Spray Bar

Lube Pump

VG Actuator

VEN Actuator

Ignition Exciter

T5 Temp Amp

AB Pressuring Valve

P&D Valve

Oil Cooler

**An example of
some of the
J85 engine
components
& accessories
ATI supports**



LEGACY ENGINES ON NEW AIRCRAFT



- **5GAT – Fifth Generation Aerial Target prototype.** Aero Turbine provided the propulsion units (J85-5 engines) for the prototype, which was tested at the Dugway Proving Grounds, Utah. **ATI will support a second 5GAT prototype in 2024.**
- **Hypersonic Transport** – Aero Turbine is supporting the Hermeus Quarterhorse.
- **Boom XB-1** – Aero Turbine is supporting Boom Supersonic with the XB-1.



AERO TURBINE Inc. – DCS/FMS



Aero Turbine has extensive experience supporting **Direct Commercial Sales Contracts** and **FMS**

- Export regulations – ITAR / EAR
- Engines – core components
- Accessories
- Training
- Facility layout
- Equipment
- Tooling
- Gap analysis of shop and test cell

**ATI Supports
Direct Commercial Sales Contracts
and
Foreign Military Sales (FMS)**

AERO TURBINE Inc. – One-Stop-Shop



Extensive In-House Capabilities

- Aero Turbine (ATI) is a comprehensive **'one-stop-shop'** repair and overhaul company equipped with full in-house capabilities to handle all aspects of repair and overhaul services for all J85 accessories and every variant of the J85 engine.
- ATI takes full responsibility for every aspect of the repair and overhaul process, ensuring complete control and accountability.
- We pride ourselves on being the **only source-approved MRO** shop offering this **complete end-to-end service**.



AERO TURBINE Inc. - One-Stop-Shop



Seamless Workflow

- Our streamlined workflow eliminates unnecessary delays and risks.
- Having highly trained resources, technical expertise, and all required tooling and test equipment in-house enables us to consistently provide our customers with efficient and timely service.
- Resulting in faster turnaround times and reduced downtime for our customers' aircraft, allowing our customers to resume operations promptly.



AERO TURBINE Inc. - Core Values



Our Core Values are centered on People, Purpose & Process

Our **processes** are committed to **continuous improvement**:

- Our high-performance culture is based upon our commitment to **Lean**
- Our Delivery and Quality is best in class
- Our commitment to Quality is put to the test and reaffirmed daily as we meet and exceed the needs of our customers worldwide.



AERO TURBINE Inc. – Global footprint



- With a deep understanding of Military and Commercial Operating environments, ATI know how to deliver to performance-based contracts worldwide.

Customer Service
Excellence



AERO TURBINE Inc. - Compliance



- We **prioritize compliance** with all FAA standards, specified certifications, customer SOWs, and technical manuals.
- By **trusting ATI** with your engine repair and overhaul needs, you can be **confident that all work will fully comply** with all required **technical orders** and **industry regulations**, always prioritizing **safety, reliability, and quality!**

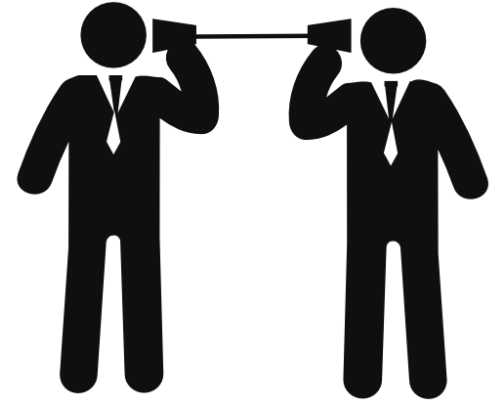


AERO TURBINE Inc. - Direct Relationship



Working directly with our customers fosters clear and open lines of communication.

- Our **customers can directly engage** with our **team of experts**, discuss **specific requirements**, and receive **timely progress updates**.
- Aero Turbine **values transparency** and **prioritizes building strong relationships** with our customers, ensuring your **needs are met consistently** with **professionalism** and **clarity**.



**Transparent
Enhanced
Honest
Communication**

AERO TURBINE Inc. - Trusted Expertise



As engine MRO specialists, we have dedicated our efforts to honing **our expertise** in this specific area.

- With over **46 years of experience** and a deep understanding of Military and Commercial engines and accessories, we are uniquely positioned to provide **superior MRO engine services**.
- Our commitment to **continuous improvement**, training and staying up-to-date with industry advancements ensures that our **customers receive the highest quality workmanship**.



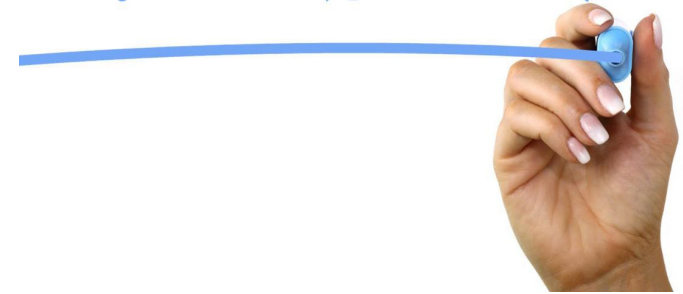
Superior Service

AERO TURBINE Inc. - Reliability



- Aero Turbine understands that the **reliability** and **performance** of your engines are vital to **your operations and reputation.**
- Aero Turbine is **fully committed** to delivering **exceptional service**, reducing downtime, and **ensuring the reliability**, and **longevity** of your engines and accessories.

RELIABILITY



- **Secure Airport Location**

- Restricted access via monitored gates

- **Cutting-Edge Cybersecurity**

- Safeguarding sensitive data, IP, and assets
- Sophisticated Security Systems
- In-house experts
- Outstanding defense against modern threats

- **Adherence to Standards**

- Full NIST 800-171 compliance (110 items)
- CMMC 2.0 Certification attained
- Outstanding SPRS Score: 110

- **Multi-Factor Authentication (MFA)** - DUO MFA enhancing computer access controls

- **Employee Education** - Full security protocol training – security conscious culture



Aero Turbine Inc - Environmental Improvements



- ATI are very committed to investing in environmental sustainability and responsible practices.
- ATI investments:
 - Solar Power
 - Fluid Filtration System
 - Bio friendly solvents and cleaners
 - Recycling
 - Electric Car Charger
- Waste Fluid Filtration Unit
 - NDT/FPI wastewater recycling system – Model EUS-1
 - Allows us to re-use the water utilized in our NDT lab
 - Reduces our hazardous waste stream and disposal costs



AERO TURBINE Inc. – Strategy, Sales & Marketing Team

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