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## Aircraft, Industrial, Marine, Powerplants & System Applications

Engineering Consulting & Technical Support  
Engine Management & Maintenance Programs  
Stage 3 & 4 Hush Kit Support  
Engine and Off and On-Site Representation  
Sales and Leasing

Visit the PAC Aero website: [www.flypac.com](http://www.flypac.com)

# COMPANY PROFILE

**Powerplant & Aircraft Consulting Aerospace** is an established aerospace technical consulting company based in the United States specializing in technical support, engine management, maintenance programs, consulting for sales, purchasing, and leasing of aircraft engines and parts. These services and more are offered to the aerospace industry with 15 years of experience in both civilian and military aircraft utilizing **turbojet, turbofan (high & low bypass), turboshaft, and APU engine.**



There is a growing demand for high quality technical support as older aircraft change hands and require closer technical control over the different uses, modifications, and regulatory factors that govern them. In addition, newer and smaller operators may have few technical and engineering resources that can be committed to aircraft operations and day to day logistics. **PAC Aero** specializes in this type of solid technical support and consulting needed to keep the shop visits low and the reliability high on older as well as newer engines. **PAC Aero** has a proven reputation for saving \$millions of dollars affordably for customers while providing the technical support for high engine quality and performance.

**PAC Aero** has access to a vast network of companies within the industry including all major airlines, (**FAR 91, 121, 125, 129, and 135**), engine and component overhaul/repair agencies worldwide (**FAA & JAA 145**), engine and accessory manufacturers (OEM), A&P technicians, IA, FAA DER approval resources and contacts, and banks and leasing agencies. Engine borescoping, on wing testing and maintenance available.

**PAC Aero** specializes in an engine portfolio including all models of the **JT3D, JT8D, IT9D, PW2000 (ETOPS), PW4000 (ETOPS), CFM56, CF6, RB211** and numerous other turboshaft, and turbofan series of engines. **PAC Aero** specializes in part 36 stage III hush kit support and APU's as well. Whatever your technical needs are, we can tailor a program for your engines.

## **Powerplant & Aircraft Consulting Aerospace**

**[www.flypac.com](http://www.flypac.com)**

# AIRCRAFT ENGINE MANAGEMENT

- Powerplant technical documentation analysis. (LLP disk and part traceability, etc.)
- Previous shop visit, owner history and modification levels. (SB's & AD's, etc.)
- Engine Performance Analysis (test cell and on wing) and build specifications.
- Regulatory analysis and the AD floating compliance's analysis.
- On wing and test analysis, engine and apu troubleshooting and corrective actions  
24 hour coverage for AOG's
- Stage 3 Hushkitting technical support
- Airframe to Powerplant (apu and engines) system analysis and AFM allowances.
- Workscopes



## CUSTOMER SERVICE

- FAA 121, 129 Powerplant Engineering organizational and internal auditing for efficiency and cost control
- Assistance with purchasing and leasing powerplants and components with or without the aircraft.
- Assistance with customer representation with the Aircraft Owners/Repair agencies.
- Commercial contract management including time and materials and power by the hour.
- Coordination of engine and parts purchasing, sales, and leasing for customer.
- Representation of client with banks, lease companies, and airlines with technical support.
- Value and cost appraisals on engines and related accessories, QEC, nacelle, thrust reversers, etc.

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# AIRCRAFT ENGINE MANAGEMENT

- All aspects of aircraft engine operation & overhaul-engine worksopes for shop visits.
- Field Service Technical Support - including bridging and establishing maintenance programs & MPDs for submittal for FAA approval.
- Engine familiarization courses and presentations for engine types.
- Quality auditing and compliance consulting (internal & external) for FAA, JAA, OEM, ISO, and military type systems.
- Engine record search/review. Engine Condition Monitoring analysis.



## PRATT & WHITNEY JT8D ENGINES



## FAA & JAA FAR-145 REPAIR STATION CONSULTING

- Provide technical support from start to finish to assist in establishing a FAA FAR-145 Repair Station Approval (Inspection Procedural Manuals, etc) for the technology base required.
- Provide technical support and self auditing services for repair station improvements, enhancement, and growth.

## MARKETING

- Assist with market analysis and customer marketing when buying or selling aircraft engines, components, and accessories.
- Provide engine parts with full traceability through sales contacts, engine overhaulers, and engine part management companies.
- Complete support from selling or buying to engine or part component installation and testing.

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# World Class Service & Experience

PAC Aero strives in supporting customers in the Aerospace (Aircraft and Helicopters), Industrial and Marine Industries. We support both Commercial and Military Applications of almost all Gas Turbine Powerplants and Propulsion Systems (Turbo Shaft, Turbo Jet, Turbo Fans (low and high bypass ratios), and Hydraulic and Pneumatic Systems (fly-by-wire) or conventional hydro-mechanical.

## The Engines and Systems we support are listed but are not limited to the following:

IAE V2500 and CFMI - 56 all series (Airbus A320, 319, 321), P&W PW2037 and PW2040 (Boeing 757s all series) specializing in ETOPs and APUs GTCP-331-200 ER and -500s. GE - 90 and Rolls Royce Trent engines all series (Boeing 777), Embraer 145 and 170 (GMA 3007), Falcon 2000 CFE-738s, 767 JT9Ds all series, PW 4000 all series and APUs (ETOPS), DC-10 all series both CF6 all series even the -59 and GTCP-700 APUs, 747 all models from JT9Ds all series, Rolls Royce RB211-524s and Trents, and GE CF6-80s all series. A-340 Airbus CFM-56-5c24 and Rolls Royce Trent 700s, A-300 all series, both the JT9s, CF6's all series A-300 P & W 4000 and Trent 700 and APUs. KC-135 tankers and DC-8-71s and -73s, CFM56-2c2 (F108), C-17 Cargo Master F117 PW2040, P&W JT8Ds-1 through -17ARs all hush kits, JT8D-209 to -217 to -219s for MD-80 series, (727,737,DC-9s, C9 Nighthawk Military), JT8D-209 to -217 to -219s for MD-80 series, JT3Ds all dash numbers and hush kits, J-57s, TF-33 for Boeing 707 and 720 tankers, DC-8 60 series, and B-52s and C-141s, TF-39 for the C5-A and B Galaxy super transports, P&W F100 all series F-16 and F-15, TF-30 F-14 and F-111, J-79s F-4 and F-104s, GE F110 all series F-15 and F-16s, F-14Ds, F404s all series, F-18, F117, J52s all series A4, A-6s etc, F118s B-2, F119s P & W ATF F-22 and JSF, T406 V-22, T56 C-130s all series and L22 for the L-100 Hercules, GM250 Bell Long Rangers, T-53-L-13s Hueys Bell 205s 212s, 214s, Cobras AH-1S and AH-1Gs, T-700 for AH-64, UH-60s and S-70, T-63s S-76, CH-53s, T-55s Chunok, T-55 M1 Abrams, LM-2500, LM-5000, LM-6000, GG4 and GG8s Industrial and Marine powerplants all series, PWC JT-15 all series, PWC 120s, 300s, 500s all series, Cessna Citations X GMA 3007, Falcons all models engines, Hawkets and all engine makes and APUs, Galaxies PW305 series, 737-700 IGWs ETOPs and -800 CFM-56-7bs, 737-200 through -500s CFM56s all series and APUs. TFE -731 for Lear Jets and Gulfstreams all models APIC and Honeywell APUs, Garrett TPE-331 series, CF-34 (Regional Jets, TF-34 A-10s, TFE-731s all series, CF6-6s, -50c2s, -80a1s, -80-a3s, -80C2b, -80Es, GE-90 all series, Rolls Royce industrial gas turbines, Rolls Royce RB211-22bs L1011-1 -150, -524s-B02s, -Bs, -B4s, -B4is L1011-200s-250s-335s-500s series, -G and -H models 747, PW 4060s, 4080, all PW 4000s series Airbuses and 747s, and 767s. Rolls Royce Speys and Tays Powerplants. And BMW and Williams International engines all series. BBK -105s -117s, Sirkorsky, Augusta and Bell/Boeing Helicopters and engines all series.

Above are just some of the models we support from a Powerplant and Propulsion systems basis and Operational System as well. We provide the following services as seen on many of the links to our web-site.

Engineering Consulting Powerplants and Systems (With Structures DERs available), Technical Support and Onsite Representation Consulting.

Engine Management, ECM, Build Specifications, Performance Analysis, Cost Savings Programs, PBTH or TAM, (on or off wing engine management), FAA - JAA -CAA and Military and ISO Compliances to FAR CFR-14 as applicable (Military Mil -9858) FAA FAR 145 support, 43, part 121 and 129 air carriers, part 125 (Including ETOPs and STC Technical Support) and 135 operators and private aircraft operators under Part 91) SFAR-36, PART 36 stage 3 and 4 noise abatement (hush kits) all types, Engine and Systems Troubleshooting 24/7, AOG support, Engine leasing and sales, Operations and Maintenance Programs Tech Writing for (FAA Approval). Engine and systems history research and compliance QC-QA audits, Warranty Claim assistance, Insurance claim representation, OEM and part 145 repair station support and warranty consideration support. Engine Borescoping, Test Cell and on wing engine performance analysis, DER and DAR Access support. ISO 9000 and 9001-9002 audits surveys and readiest/preparation. FAA (FESDOS and ACOs) representation.

View the photo Gallery for "World Class Service and Experience" to view some of the aircraft and engines we have serviced and even helped to certify under PARTs 23 and 33 and many STCs.

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