The recognized world leader in the maintenance and overhaul of propellers and helicopter rotor blades for the commercial, regional, military, corporate and general aviation sectors.

Company Overview & Product Line
To our current and prospective business partners,

It is my distinct pleasure to share an overview of our company with you. Piedmont Propulsion Systems, LLC is blessed with a wonderful history and an exciting future. For more than 70 years, the people of PPS have dedicated their efforts to providing our customers with industry leading service, superior technology and exceptional quality.

PPS possesses full capability to repair and overhaul nearly all aircraft propellers and propeller governors serving commercial, regional, military, corporate and general aviation worldwide from our state-of-the-art facility in North Carolina, USA. PPS is certified by the United States FAA, EASA and many other foreign Civil Aviation Authorities to repair and overhaul all of the following Class 1 and Class 2 propeller systems:

- UTC Aerospace Systems / Hamilton Sundstrand Propellers
- GE Aviation / Dowty (Rotol) Propellers
- Hartzell Propellers
- McCauley Propellers
- Sikorsky Rotor Blades
- Woodward Propeller Governors

PPS recognizes that the people, the processes, and the highest standards of an organization are key to the quality, cost and speed of the maintenance, repair and overhaul cycle. PPS invests the resources and values of our organization into every repair transaction we process. PPS’s continued investment in capability has seen us break into the Rotor Blade market over the past 3 years, with the logical transition into repairing composite blades for the Sikorsky UH-60 and S-76 as well as multiple dynamic components for the UH-60 platform.

PPS always strives to improve time on wing and lower operating costs for our customers, by running an efficient, technology focused propeller MRO operation.

We pride ourselves on being the only propeller maintenance facility in the world to support all legacy and next-gen regional turbo-prop maintenance requirements, including the ATR 42/72-600, Bombardier Dash 8, Q400, Saab 340 and 2000, and the Lockheed C-130J. We are also excited to see what the future brings as we look to grow our footprint in the Rotor Craft marketplace.

Thank you for taking the time to learn more about our extensive capabilities.

Paul Bolton
General Manager
Summary

- Aircraft Component MRO Specialist
- FAA, EASA & other foreign Civil Aviation Authorities
- Five Part 145 Repair Station Facilities —
  1. Winston-Salem, NC
  2. Wichita, KS
  3. Dallas/Addison, TX
  4. Kissimmee, FL
  5. Anderson, CA
- Three Facilities with FAA Production Approval —
  1. Winston-Salem, NC
  2. Wichita, KS
  3. Kissimmee, FL
- AS9110C Certification
- 200 Employees — Qualifies as a Small Business for Government Contracts
- U.S. Army & U.S. Navy Repair Source Approvals
- Engineering Services —
  » Parts Manufacturing Approval (PMA)
  » Designated Engineering Representative (DER) repairs
  » Supplemental Type Certificates (STC)
  » Department of Defense Source Approvals (SAR)
  » Diminishing Manufacturing Sources & Materiel Shortages (DMSMS) solutions

Locations

Repair & Overhaul Services

Rotor Blades, Propellers & Governors

First Aviation Services Inc.

**PRODUCT TYPES**

- **Advanced Metal Repairs/Arc Spray**
- **Batteries**
- **Beacons**
- **Blow Down Bottles**
- **Brakes**
- **Composite Bottles**
- **Composite Repair**
- **Electro-mechanical Actuators**
- **Electronics**
- **Fire Bottles**
- **Fire Extinguishers**
- **Flight Control Actuators**
- **Flight Control Surfaces**
- **Gearboxes**
- **Gearbox**
- **Hydraulic Actuators**
- **Hydrostatic Testing**
- **Prestolite Power Packs**
- **Landing Gear**
- **Landing Lights**
- **Lighting Units**
- **Motors**
- **Shimmy Dampers**
- **Navigation Lights**
- **Oxygen Bottles**
- **Oxygen Masks**
- **Oxygen Regulators & Valves**
- **Pneumatic Reservoirs**
- **Power Supplies**
- **Propellers**
- **Rotor Blades**
- **Overspeed Governors**
- **Rotor Hubs**
- **Propeller Hubs**
- **Strobe Lights**
- **Tach Generators**
- **Voltage Regulators**
- **Wheels**

**FAVS CUSTOMER BASE**

- **AIRLINE:**
  - Aeromar
  - Air Creebec
  - Amazon Prime Air
  - Bombardier
  - FedEx
  - Fokker
  - IBC Air
  - Lion Air
  - Lufthansa Technik
  - Morningstar
  - Nok Air
  - Pacific Coastal Airlines
  - Qazaq
  - TAL
  - Safarilink
  - WestJet
  - Wideroe

- **MILITARY & GOVERNMENT:**
  - Aero International
  - Clayton International, Inc.
  - DynCorp International
  - J3 Communications
  - PAE
  - IMP Group
  - Rotor Maxx Support
  - Sikorsky
  - Sierra Nevada Corporation
  - U.S. Army

- **CORPORATE & GENERAL AVIATION:**
  - Beechcraft
  - Canadian Helicopters
  - Cessna
  - Duncans
  - Elliott Aviation
  - Falcon Avionics Services
  - Gulfstream
  - Jetstream Aviation Capital
  - Learjet
  - Stevens Aviation
  - Textron Aviation
Piedmont Propulsion Systems, LLC (PPS) is the recognized world leader in the maintenance and overhaul of propellers for the commercial, regional, military, corporate and general aviation sectors. The company has over 70 years of experience in propeller maintenance and is a FAA and EASA Part 145 Repair Station. In addition it holds approvals from several other countries’ national airworthiness authorities. PPS is also a Hartzell authorized service center, and now supports Rotorblade repair for the UH-60/S-70 and S-76 as well as various rotorhead components.

PPS possesses complete in-house repair capability at our state of the art AS9110C facility in North Carolina, USA, and all of our skilled technicians are trained to the highest standards.

As a proud member of the First Aviation Services Inc. family of companies, PPS is complemented by our sister companies Aerospace Turbine Rotables, Inc. and Evoluition Aerospace, Inc. in Wichita, KS, Aviation Blade Services, Inc. in Kissimmee, FL and Heliblade, LLC in Anderson, CA. All the companies enjoy their own rich legacy, an exciting future, and the same unwavering commitment to customer satisfaction. Our parent company First Aviation Services Inc. is committed to investing in the future of its subsidiaries and enabling the development of solutions which bring positive impact to this incredible industry.
## PROPELLER CAPABILITY LIST

<table>
<thead>
<tr>
<th>Manufacturer</th>
<th>Make/Model</th>
<th>Aircraft Types</th>
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<tbody>
<tr>
<td>Hartzell</td>
<td>All Models</td>
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<tr>
<td>McCauley</td>
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<tr>
<td>Hamilton</td>
<td>14SF All Series</td>
<td>Dash 8-100, -200, -300, ATR-42, -72</td>
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<td>14RF All Series</td>
<td>EMB 120, CASA 235, Saab 340</td>
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<td>568F All Series</td>
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<td>247F All Series</td>
<td>ATR72-210, YUN-7, MA60</td>
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<td>Dowty</td>
<td>(C) R321/4-82-F/Series</td>
<td>Metro/Merlin</td>
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<td>Agespace</td>
<td>(C) R324/4-82-F/Series</td>
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<td>(C) R333/4-82-F/Series</td>
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<td>(C) R339/4-123-F/Series</td>
<td>Cheyenne 400</td>
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<td>R352/6-123-F/Series</td>
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<td>Saab 340</td>
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<td>C-130J, C-27J</td>
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<td>R391/6-132-F/Series</td>
<td>Bombardier Q400</td>
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<td>R408/6-123-F/Series</td>
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<td>R410/6-123-F/Series</td>
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*Limitations: None

## Rotorcraft Capability List

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<tr>
<th>Make/Model</th>
<th>Part #</th>
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<tr>
<td>UH-60/S-70</td>
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<td>70150-09100-041</td>
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<td>70150-09100-043</td>
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<td>70150-09207-041</td>
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<td>70103-08100-050</td>
<td>Main Extension Assembly</td>
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<td>70103-08103-041</td>
<td>Main Rotor Head Bifilar Assembly</td>
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<td>Main Rotor Blade</td>
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FAA Certified Repair Station #3PSR595B
Product Line by Piedmont Propulsion Systems, LLC
EXPERIENCE
PPS overhauled its first Hamilton propeller in 1948, and performed one of world’s first overhauls of the composite model 14SF propeller assembly in the late 1980s.

QUALITY
The world’s largest ATR & DHC-8 operators including FedEx Express, Amazon Air, Aeromar and Lion Air Group all choose PPS for high quality, best value propeller MRO support.

EXCHANGE/LOAN POOL
PPS holds a large pool of R408, 14SF and 568F propeller components available for exchange or lease, in order to service our customers.

MODERN FACILITIES
PPS’s modern 66,000+ square foot (6,000+ square meters) headquarters is the world’s only repair station certified to overhaul the next-generation propellers installed on the ATR42/72-600, Bombardier Q400 and Lockheed Martin C-130J.
IN-HOUSE CAPABILITIES
PPS’s facility includes state-of-the-art, temperature- and humidity-controlled composite repair shops, modern non-destructive test and inspection capabilities, multiple paint booths and ovens, all with numerous health, safety and environmental protections.

DER/ENGINEERING
PPS’s in-house engineering department has developed a large portfolio of proprietary FAA-certified parts and repairs that further reduce the turnaround time (TAT) and cost of both 14SF and 568F overhauls, while increasing time-on-wing and service life. PPS’s engineered solutions save operators an additional 15% to 50% on repairs and reduce BER events. PPS is also the exclusive source for FAA PMA deice boots manufactured by B/E Aerospace for the 568F.
Dowty Propellers

EXPERIENCE
PPS has over sixty (60) years of experience overhauling Dowty/Rotol propellers, including continuous support of legacy Fokker 27 and YS-11 aircraft, while also expanding to support more modern Saab, Fokker 50, Bombardier Q400 and C-130J systems.

QUALITY
Leading airlines and MROs worldwide such as WestJet Encore, LOT Polish Airlines and Lufthansa Technik, choose PPS for high quality, best value Dowty propeller repairs.

EXCHANGE/LOAN POOL
PPS owns one of the world’s largest pools of Q400 propeller blades available for lease and exchange.

MODERN FACILITIES
PPS’s modern 66,000+ square foot (6.000+ square meters) headquarters is the world’s only repair station certified to overhaul the next-generation propellers installed on the ATR42/72-600, Bombardier Q400 and Lockheed Martin C-130J.
IN-HOUSE CAPABILITIES

PPS offers the world’s only alternative to OEM support in the Bombardier Q400 market, while providing a full range of legacy Dowty/Rotol repair and overhaul services. Our team has vast experience in dealing with composite propeller blades, including in-house ultra sound analysis.

DER/ENGINEERING

PPS’s in-house engineering department has developed a large portfolio of proprietary FAA-certified parts and repairs that reduce the risk of supply chain disruptions, reduce TAT and reduce costs. PPS is also the exclusive source for FAA PMA deicer / overshoes for the Bombardier Q400 propeller.
General Aviation & Accessories

GENERAL & BUSINESS AVIATION, MILITARY & PARAMILITARY

- Hartzell Recommended Service Facility (RSF)
- Complete McCauley Model Support
- Support for both single aircraft and extensive fleets
- Contractor to the United States Government for hundreds of military and paramilitary aircraft:
• PPS provides in-house overhaul, testing and repair capabilities for numerous propeller governor and PCU models.

• Current capabilities include – Woodward Governors, DHC-8 Classic overspeed governors, SAAB 340 governors, and various paramilitary aircraft.
UH-60/S-70 Component Repair Capabilities
In support of the First Aviation group, PPS has become a *Sikorsky Rotorcraft MRO provider with a reputation for world-class customer service, quality and value.* We’ve evolved our in-depth knowledge of composite repair technology to support repair of the UH-60 main and tail rotor blade and expanded our capabilities to include additional complimentary components such as the UH-60/S-70 Main Hub Assembly. Our mission is to enable our customers to effectively optimize both reliability and cost of operations. Our customer support and engineering teams are instrumental in developing solutions that support our customers’ key requirements.

Contact us today with your UH-60/S-70 component MRO requirements as we continue to grow our capabilities.

- Main Rotor Blade
- Tail Rotor Blade
- Main Rotor Hub Assembly
- Main Extension Assembly
- Eye Rotating Bracket
- Hub Pressure Plate
- Damper Bracket Assembly
- Bifilar Assembly
In the MRO environment, robust NDI capabilities are critical to the longevity of our products. PPS performs Magnetic Particle Inspection (ASTME 1444), Liquid Penetrant Inspection (ASTME1417), Eddy Current Inspection, and the latest ultra-sound composite analysis techniques.

PPS is FAA approved to manufacture specialized tooling and test equipment. From drawings to finished product, our engineering and manufacturing resources work together to ensure that tooling meets the required specifications and design it to provide precision performance and optimum service life.

PPS holds all of the required delegations, certifications and approvals from the FAA to design, develop, certify and manufacture engineered solutions. PPS employs a RS-DER capable of reviewing and approving major repairs, alterations and repair processes in conjunction with the local FAA. The RS-DER delegation is extremely rare, allowing PPS to write and approve Component Overhaul Manuals on behalf of the FAA / FSDO Flight Standards District Office (FSDO).

PPS is an FAA-certified Production Approval Holder (PAH). As such, PPS can control the design, manufacture, supply chain and quality of parts produced using Parts Manufacturing Authority (PMA) authorization from the FAA.

PPS, acting under the authority of its PAH certification, certifies, audits and manages a large pool of qualified vendors in order to ensure high quality, short lead times, and competitive costs.
PPS engineers have developed the following types of value-added engineered solutions:

**ALTERNATIVE/REPLACEMENT PARTS**
- Design and produce a part to directly replace a material due to reliability issues, DMSMS issues, high cost, or lead time.

**REPAIR SCHEME**
- Develop and certify a repair scheme, including the required technical data and/or maintenance manuals, to repair serviceable material in order to avoid scrap/replacement or to extend time on wing.

**PARTS MANUFACTURING AUTHORITY (PMA)**
- Look to PPS for your PMA FAA approved parts requirements. We have significant experience designing PMA replacement/alternate part for third parties.

**FAA-APPROVED MAJOR REPAIRS OR ALTERATIONS VIA A DESIGNATED ENGINEERING REPRESENTATIVE (DER & RS-DER)**
- PPS develops DERs to avoid costly “beyond economic repair.”
- DER is a delegate of the FAA administrator, who can review and recommend approval of major repairs or alterations to aircraft and components.
- A RS-DER is a DER who can also approve Repair Processes (including Maintenance Manuals) to allow multiple uses of a developed repair scheme or alteration.
EXPERIENCE YOU CAN TURN TO

With over 70 years of experience, Piedmont Propulsion Systems has earned a reputation across the industry for “EXPERIENCE YOU CAN TURN TO.” Our values have remained consistently focused on the quality of our components, our ability to deliver in accordance with customer commitments and our prevailing attitude of customer satisfaction. Today our company and its employees are more committed than ever to the pursuit of excellence in the products and services we provide.

Experience why thousands of our customers from all over the world, have made us their MRO provider of choice. Contact Sales at 336.776.6260 or sales@piedmontpropulsion.com today!