RELIABLE, COMFORTABLE, COST FRIENDLY

ATR-500 SERIES

THE REFERENCE IN REGIONAL AIR TRANSPORT

COMFORT
TECHNOLOGY
PERFORMANCE
ECONOMICS
SUPPORT

An Alenia Aeronautica and EADS joint venture

P R O P E L L I N G T O M O R R O W ' S W O R L D
WELCOME ON BOARD!

ATR benefits from having the widest cabin in the turboprop market, providing maximum space and setting the highest standard of comfort.
New technological innovations incorporated to further enhance the feeling of space, comfort and the pleasure of flying with ATR. The -500 Series definitely offers the same level of comfort as a large jet-liner.

- **Overhead bins**
  40% additional volume compared to earlier ATR versions.

- **In-Flight Entertainment (IFE) System**
  The only turboprop in the market proposing the IFE system.

- **Cabin LED Lighting**
  Based on LED technology for warmer and more pleasant atmosphere with soft and diffused lighting, reduced power consumption, and lower maintenance costs.

- **Silence on board!**
  A reliable, maintenance free acoustic treatment leading to an average noise level below 80 dBA.

THE COMFORT OF A JET BUT AT THE COST OF TURBOPROP!
ATR continually strives to provide airlines with new solutions improving safety and reducing pilots workload and stress.

TECHNOLOGICAL UPGRADES
MODERN EQUIPMENT

- **HT1000 GNSS System**
  coupled to the auto-pilot and EFIS system
  - PRNAV capability

- **VHF 8.33KHz spacing**

- **ACARS - Aircraft Communications Addressing & Reporting System**
  - For a faster and more accurate communication between aircraft, Operator’s base and ATC (Air Traffic Control)
  - Up/down-loading digital data via VHF network

**IMPROVED OPERATIONAL EFFICIENCY, REDUCED CREW WORKLOAD**

- **EFB - Electronic Flight Bag**
  Provides flight crew with a paperless cockpit, replacing the current paper-based documentation

**EFB FEATURES**
- Checklists
- Aircraft manuals
- Electronic charts
- Performance calculations
- Customer dedicated application

A MULTI-FUNCTION TOOL FOR A MODERN COCKPIT
MULTI-PURPOSE COMPUTER (MPC)

AN INNOVATIVE CONCEPT TO IMPROVE FLIGHT SAFETY AND AIRCRAFT RELIABILITY

A SINGLE COMPUTER INTEGRATING SEVERAL FUNCTIONALITIES:

- **Aircraft Performance Monitoring (APM)**
  To improve safety and pilot awareness significant indicators are located on the pilot’s display unit:

  - **Cruise Speed Low**
    The indicator illuminates when cruise speed is lower than the expected AFM theoretical value.

  - **Degraded Perf**
    To solicit crew apply "Quick Reference Handbook" procedures.

  - **Increase Speed**
    The indicator flashes when minimum icing speed is reached. Consequently crew must increase aircraft speed.

- **QAR (Quick Access Recorder)**
  To download flight data for analysis

- **ACMS (Aircraft Condition Monitoring System)**
  It allows maintenance staff to monitor a/c parameters and solve troubleshooting

- **G-Meter**
  To record aircraft vertical accelerations

Vision, creativity and determination are the ingredients that make up ATR’s success.
ATR provides operators with the tools to respond to evolving market requirements.
- **Tailored for regional operations**

90% of routes below 450Nm are today operated by turboprops. ATR -500 Series Range Capability is well above 650 Nm without passenger limitation.

- **Unrivalled take-off performance**

The large use of composite materials allows ATR -500 Series to have a low weight design and reduced field length requirements.

- **Steep approach capability**

- 6° steep slope approach, allowing operations into difficult airports surrounded by high obstacles.
- Quick access to downtown business centers, such as the City of London.
Operated today in any climate and conditions, ATR -500 Series reliability is recognised worldwide by regional operators. Reliability, flexibility and environment friendly are the key ingredients responsible for ATR’s worldwide success.

### Ideal for inter-island connections
The multi-hop capability makes ATR the ideal solution for inter-islands connections, to optimize refuelling policy. There are today about 20 airlines operating ATR on inter-island networks.

### 120 min ETOPS capability
ATR is today the only turboprop certified for ETOPS 120, permitting to fly remote destinations. Air Tahiti case: a non stop flight of 800 Nm!

* ETOPS: Extended-Range Twin-Engine Operational Performance Standards.

### Environment Friendly
ATR -500 Series contributes to a significant reduction of CO2, being the only regional aircraft with a fuel consumption lower than 3 liters per pax per 100 Km.

**Perfomrance**

**French Polynesia**

R: Range for 2 hours flight - One engine

0: 25000
10: 50000
20: 75000
30: 100000

<table>
<thead>
<tr>
<th>CO2 Emissions (Tons)</th>
<th>Liters/pax/100km</th>
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</thead>
<tbody>
<tr>
<td>ATR72-500</td>
<td>0.0</td>
</tr>
<tr>
<td>Direct TP competitor</td>
<td>+20 Ktons</td>
</tr>
<tr>
<td>70-seater RJ</td>
<td>+42 Ktons</td>
</tr>
</tbody>
</table>

Up to 42,000 tons of reduced CO2 emissions (per year, 10 aircraft fleet)
ATR -500 SERIES

FIT FOR THE EXTREME

ATR offers a bigger market potential than its competitors due to its capability to operate in challenging environments.

Certified to operate on unpaved runways
"A dedicated" anti-collision kit is available to protect aircraft from the impact of stones on rough terrain.

Certified for extreme cold weather conditions (-45°C)
A wide icing certification envelope, opening the door to «severe» Arctic Circle operations.
Rocketing fuel prices and declining yields underline the principle qualities of the ATR -500 Series: Low fuel consumption and unrivalled savings, allowing operators to generate profits even in the most challenging business cases.
We propose the same aircraft but in 2 different sizes. The ATR -500 Series commonality leads to significant operators’ advantages in terms of flexibility and operational cost savings.

- Same engines and propellers
- Same cockpit
- 90% of common spares
- Common Type Rating

**Operational advantages**
- Reduced Spares stock
- Reduced mechanics and pilots pool
- Flexibility to adapt capacity to demand fluctuations

**Cost saving breakdown**
- Initial Provisioning: 32%
- Payroll: 60%
- Training: 8%

UP TO 15 M$ OF SAVINGS (FLEET 10 A/C, 10 YEARS)
Operators worldwide unanimously associate ATR with profitability. Profitability is the end result thanks to the numerous advantages the ATR-500 Series offers over its competitors: low fuel consumption, easy to maintain, low airport fees, excellent reliability.

**The most fuel-efficient aircraft in the regional market**
Minimize the fuel consumption due to structural efficiency, advanced aerodynamic design, well adapted PWC engines. On a 1 hour flight (about 400 km), the ATR 72-500 burns only as much fuel as a B747 uses in 10 minutes of taxiing!

**Design to maintain philosophy**
- Easy to inspect
- Large use of composite materials
- Proven reliability (99.6% dispatch reliability).

**Structural efficiency for low weight-related charges**
Large use of composite material and optimised design weights
The -500 Series responds to the Operator’s simple, practical approach: minimize operating costs to optimize profits.

ATR offers the lowest cost per seat in the regional market.

ATR is the only manufacturer offering new aircraft in the 50-seats category.
HIGH TRAINING & SERVICES STANDARDS

AOG Services
24/7 worldwide urgent spare parts delivery and technical assistance.

Global Maintenance Agreement
A customised program to optimise stock management & MRO activities.

ATRactive PORTAL
Our Customer Services portal is an e-platform easily accessible by customers who wish to buy spare parts, to book training courses, to consult technical publications and access the latest ATR Customer Services information online.

Training Services
A network to cover the globe.

Customer Support: Our Regional Presence

ATR offers a comprehensive services package tailored to the needs of each individual customer. ATR worldwide success is also based on its first class Customer Services.

STOCK LEASE
LRU AVAILABILITY & OVH
MAIN ELEMENTS AVAILABILITY & MRO
TECHNICAL ASSISTANCE

SUPPORT

As of June 2011

Providing continuous support and services to our customers for safe and profitable operations.