

## Home

France Aviation supplies several cutting-edge aviation products that increase aircraft performance and save costs, including propellers, silencers, and aircraft management systems.

### **Your Best Flying Experience – Faster and Quieter on Less Fuel with our Advanced Propellers**

With a Duc carbon fibre propeller on your light aircraft, you can have a faster climb and cruising speed and a quieter more comfortable ride... all on less fuel. You can have premium performance for the same price as ordinary propellers. Be a smart buyer...why not have the best for the same cost. [More](#)

### **A More Comfortable Flight with our Silencers that Increase Engine Performance and Lifetime**

Improve pilot comfort and security by reducing the noise level inside your cabin. Scai Tech silencers include a tuned exhaust which improves engine lifetime by decreasing cylinder operating temperature. The silencer/ tuned-exhaust system adds no power loss to your aircraft ...in fact performance is actually improved. The system also reduces fuel consumption. [More](#)

### **Improve Aircraft Management and Safety with Reduced Costs for Fuel, Maintenance, and Administration**

ISEI's Safetyplane system can enable better aircraft and pilot performance, including greater fuel efficiency and extended life of aircraft with reduced maintenance effort. Aircraft management can also be streamlined by automating administration and improving accuracy of aircraft monitoring and charging, thus saving time and cost. Bookings, accounting, billing, and maintenance can all be automated.

Through monitoring of in-flight parameters, post-flight analysis and debriefing can identify risk factors such as adverse air traffic and pilot practices leading to reduction of dangerous incidents. [More](#)

### **Find Out More**

- Contact us to [discuss your needs](#) or [find out more](#) about our products

# Propellers

SEO key words/ phrases used in the copy, especially greened terms:

buy airplane propeller

3&4 blade aircraft propellers

build composite propeller

propeller rebuilding

high performance aircraft propellers

aircraft propeller manufacture

ultralight aircraft

pilot

Duc Carbon fibre propellers are designed for light sport aircraft to provide high performance in aircraft speed, range, fuel consumption, and noise.

## **Your Best Flying Experience - Faster, Quieter, and Further on Less Fuel**

With a Duc carbon fibre propeller on your microlight, ultralight, or light sport aircraft, you can have a faster climb and cruising speed and a quieter more comfortable ride. You'll also get better range on less fuel. You deserve the best, and it's the ecological choice for serious pilots.

## **Revolutionary Advanced Propeller Technology**

From the European market leader, you can have the latest high performance Carbon fibre propeller available. Having more strength than a conventional fixed-pitch propeller, it has just one third the weight. Duc are market leaders in Carbon fibre moulding processes, and have designed propeller technology for maximum air stream efficiency using an innovative and unique design. No more frustration with lack of choice in the market...you can have this technology without having to import it yourself.

## **Value for Money - Premium Performance for about the Same Price as Other Propellers**

You can buy an airplane propeller with premium performance for the same price as ordinary propellers. Be a smart buyer.

## **We Can Supply You with Blades only or a Complete Assembly**

We can supply you with blades to build a composite propeller yourself, or for propeller rebuilding, or we can provide a complete assembly with hub/ spinner.

## **Manufacturers: Sell More Aircraft by Offering Better Components at No Extra Cost**

Get the best propeller possible for your line of microlight, ultralight, or light sport aircraft and offer better value for the same price.

### **Flying Schools: Use a Reliable Propeller with Reduced Noise, Fuel Consumption and Maintenance, and Get a 20% Price Discount**

Improve the performance of your aircraft with reduced noise for more pilot comfort, cheaper running, and easy maintenance with low complexity.

### **Proven, Guaranteed Quality and Performance**

Quality, reliability, and performance of Duc propellers has been proven. A team flying a Dynaero MCR fitted with a Duc Swirl three-blade ground-adjustable propeller won the world championship in 2005.

We guarantee Duc propellers for 5 years with the option of 10 years. We'll even give you a free trial to prove the propeller's performance to your satisfaction.

### **About Duc - the European Market Leader for Advanced Light Sport Aircraft Propellers**

Duc, pronounced 'Duke', is the European market leader at the forefront of advanced propeller development for light sport aircraft. Duc propellers have become famous, with business volume increasing by 40% in 2007. They have even been contracted by the French government to design a silent propeller for certified aircraft.

Duc's parent company, Duqueine, is well established in the study, design and manufacturing of parts and composite materials - which offer a perfect solution to the problems of weight, inertia, elasticity, structural coefficients, thermal expansion, resistance to harsh chemical environments, etc. Duqueine also provides solutions adapted to the problems encountered by integration of composite materials with products from other manufacturers.

### **Find Out More**

- Find out the specific propeller for your requirements using the matrix below
- More on Duc Propellers
- Contact us to discuss your needs

## Tuned Silencers

Scai Tech stainless steel silencers, complete with tuned exhaust, are designed for a wide range of small aircraft to reduce engine noise whilst improving engine performance.

### **A Better Flying Experience – Quieter, Smoother and More Comfortable**

Improve pilot comfort and security by reducing the noise level inside your cabin, and reduce pilot exhaustion on long trips – as proven by French Civil Aviation tests below. Scai Tech silencers are a great answer to noise pollution and environmental protection around airfields.

### **Increase Engine Lifetime - Get More for Your Investment**

The tuned exhaust improves engine lifetime by decreasing the operating temperature of the cylinder and head.

### **Actually Increases Engine Performance**

The silencer/ tuned-exhaust system adds no power loss to your aircraft overall...in fact performance is actually improved as demonstrated by in-flight tests undertaken by the CEV (French national flight test centre). The system reduces fuel consumption and is designed to avoid aerodynamic turbulence.

### **Easy Access for Repair or Replacement of Silencer Components**

The silencer unit is easily accessible for quick and thorough inspection, removal, or replacement of worn parts, without any need to retrofit the exhaust and cowling. This reduces aircraft grounding time and maintenance costs. Set-up time is around four hours.

### **Works on all Engine Types and Most Small Aircraft**

The system fits on all types of engines - atmospheric, turbocharged, petrol and diesel, on almost all types of small aircraft.

### **Proven, Guaranteed Quality and Performance**

The system is made from high quality durable stainless steel, and is guaranteed for three years or 1000 hours. It is internationally patented and complies with AIR0191 Standard 1TTi1A1, and agreement FR21G0195.

The system has been proven by the French STAC (Technical Services of Civil Aviation) to achieve noise reductions:

- 9.3 dB(A) for a Cessna 172
- 14.6 dB(A) for a Cessna 152

### **Find Out More**

- Find out the [specific silencer for your requirements](#)
- More on [Scai Tech](#)
- Contact us to [discuss your needs](#)

## About Us

### **France Aviation is Established on Longstanding Aviation Industry Experience**

Samuel-Adrien Balley, the founder of France Aviation, has a strong background in the aviation industry, being a qualified aircraft engineer, pilot, and flight instructor, having served in the French Air Force for 17 years.

France Aviation has a solid long-term relationship with its manufacturers, ensuring reliable ongoing after-sales support.

### **We Offer a Unique Range of Premium Cost-Effective Aviation Products**

France Aviation currently offers three hand-picked cutting-edge products that are very cost-effective...

### **Highest Performance Propellers Available for Light Sport Aircraft – in Speed, Range, Fuel Consumption, and Noise**

We offer a range of highly efficient airplane propellers for microlight, ultralight, and light sport aircraft. These propellers give top performance in climbing and cruising speed, noise level, fuel consumption and flight range...all at the same kind of price you'd pay for other propellers. [More](#)

### **Tuned Silencers Giving a More Comfortable Flying Experience, Whilst Increasing Engine Performance and Lifetime**

Improve pilot comfort and security by reducing the noise level inside your cabin with Scai Tech silencers, which also improve engine lifetime by decreasing the operating temperature of the cylinder. The silencer/ tuned-exhaust system adds no power loss to your aircraft overall...in fact performance is actually improved with reduced fuel consumption. [More](#)

### **Aircraft Management System Reduces Costs for Fuel, Maintenance, and Administration, and Improves Safety**

Safetyplane is an including in-flight data recording, performance analysis, and fleet operational and administration functions. It enables better aircraft and pilot performance, including greater fuel efficiency and extended life of aircraft with reduced maintenance effort. Aircraft management can also be streamlined by automating administration. Through monitoring of flight parameters, flight reconstruction and visualization, debriefing can identify risk factors such as adverse air traffic and pilot practices leading to reduction of dangerous incidents. [More](#)

### **Find Out More**

- Find out more about our [propellers](#), [silencers](#), or [aircraft management system](#)
- Contact us to [discuss your needs](#)

## **Customer Service**

### **Solid Support from Long-Term Relationships**

France Aviation has solid long-term relationships with its manufacturers, ensuring reliable ongoing after-sales support.

### **Extra Support from Agents Around New Zealand**

We have qualified licensed agents around New Zealand who are able to assist you with installation and service.

### **Quick Availability in Australasia**

We offer the same 48 hour availability in both New Zealand and Australia, with most products ex-stock. We aim to respond promptly to any queries you may have.

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