RISEN

SWISS EXCELLENCE AIRPLANES

PORTO AVIATION GROUP

ALISPORT

AEROTEC INNOVATION

IDROVARIO

ENTER A NEW ERA
OF AERODYNAMICS

More than 25 years ago, aerospace engineer Alberto Porto had a vision to develop and build the most efficient aircraft, based around the Rotax 912 series engine.

An unparalleled design that integrates all newly available technology and innovations. Risen was designed with tools and expertise normally found in large aeronautical companies only.

Most precise fluid dynamics software, along with a hands-on approach to transfer test results into the final design made the difference.
Every detail and overall shape was meticulously studied and optimized.

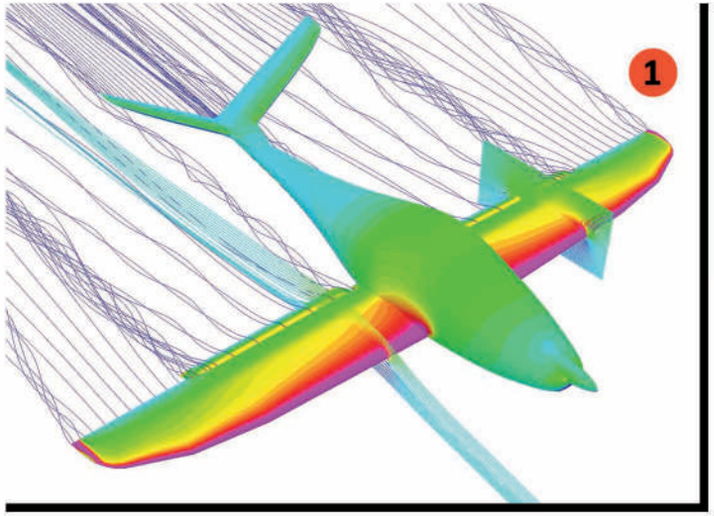
With Risen anyone can fly faster than 300km/h with just a standard Rotax 912S 100HP engine, while fully embraced in the comfort of a large side by side cockpit.

The exceptional performance is guaranteed in the purchase agreement. Our commitment to you.

Risen can beat even the most modern cars in fuel efficiency at incredible speeds. Under 3,7l/100km (78,4mpg) at 190km/h (103KTS)
In fact, Risen makes it more economical to fly than drive.

The ultra-wide cockpit guarantees a first class experience on long journeys. The 3m² canopy allows for a front row experience and an overall jet fighter emotion, something very unique for a side by side ultralight aircraft.

Engineered and built to take you anywhere with virtually unlimited range, speed and safety.



VERTICALLY INTEGRATED

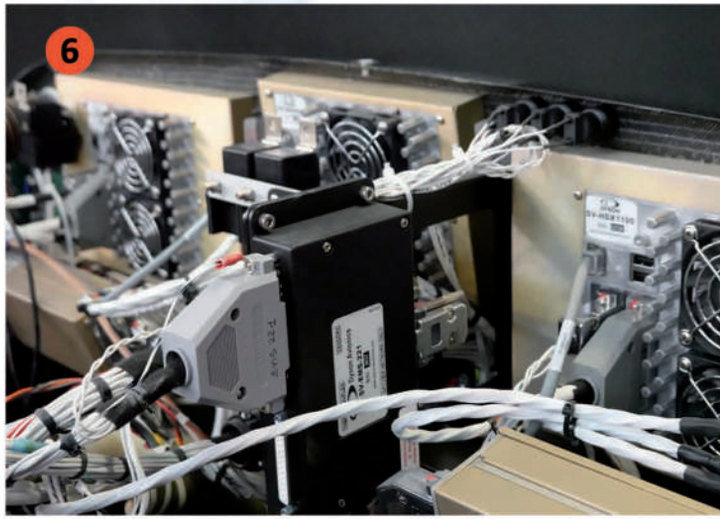
1. Highly developed expertise in Computional Fluid Design (CFD), simulating aerodynamic solutions for own products as for other world class aircraft manufacturers

2. In-house engineering team assures precise CAD modelling to assure great functionality and precise manufacturing tooling

3. Over 25 years experience in composite manufacturing building gliders, powered gliders, powered aircraft and a full range of in-flight adjustable carbon high performance propellers

4. Final assembly, precise installation of engine and control systems of aircraft by highly trained and experienced workforce

5. Fully temperature controlled painting facility with pre-heated airspray for a superior finish and surface protection



6. Avionics and electronics expertise for maximum flexibility and high quality system integration with embedded redundancy

Aerodynamics and efficiency carry extra benefits and other great advantages.

Risen became quickly the official FAI speed record holder with 323,82km/h (174,84KTS). On December 16th 2015, a new Risen with a standard Rotax 912ULS 100HP and its engineer Alberto Porto, set the new world speed record.

Together with the new record award, the 'De la Vaulx Medal', one of the highest recognitions for exceptional performance, was also granted for great aeronautical achievement.

All this can be performed in a highly efficient and luxury premium aircraft, with a maximum of safety.

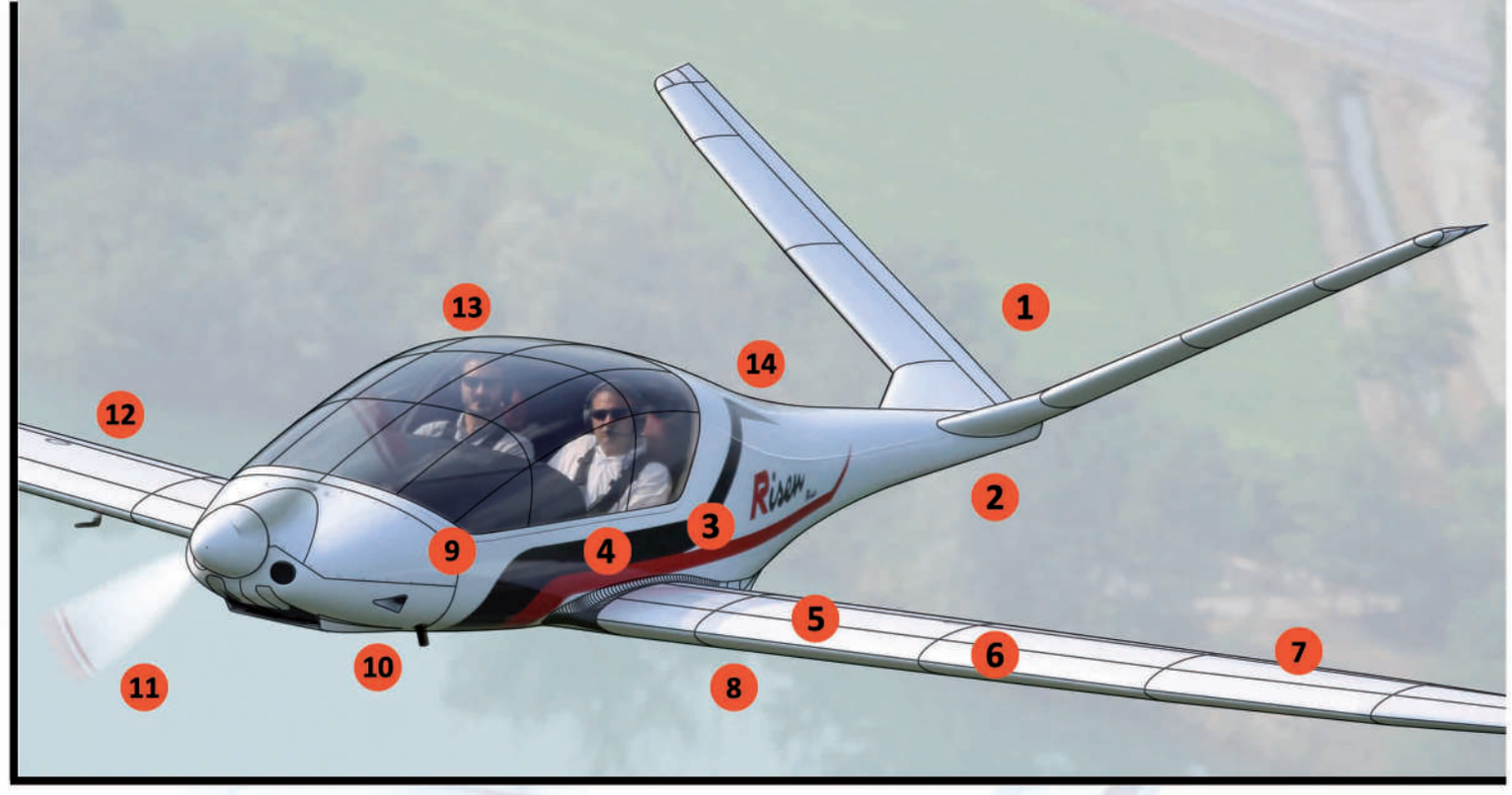
The proof of the pudding is in the eating.

With exceptional efficiency, extended flight range and high average cruise speed come along.

A solo ferry flight to South America, crossing the Atlantic on the Southern Route, was the perfect opportunity to demonstrate the true capabilities of Risen. Optional ferry tanks were installed in the wings for the 2.650km (1,420NM) from Cape Verde to Natal, Brazil. With an average economy speed of 260km/h (140KTS), Alberto Porto crossed the Atlantic using only 145 liters (38gal) for the 10h15min leg.

Following days Risen effortlessly crossed Brasil to final destination Uruguay. Fast, comfortable and economical.

THE DIFFERENCE



1. XL-V® Tail for maximum stability, harmonized control and reduced drag
2. CFD® aerodynamically optimized high efficiency fuselage
3. HBS® Horizontal Bonded Structure for extra robustness and safety
4. ISC® Integrated Safety Cell with additional lateral roll bar protection
5. Multiple fueltank solutions including ferry tank and anti-blast versions
6. DOTS® Double Oversized Twin Spar for superior torsional stability and higher flutter-free speed
7. DLX® multi-step wing profile, dual laminar flow cross section with very safe stall characteristics
8. High efficiency Fowler flaps for reduced approach speed and very short field landings
9. DFP® Dual Firewall Protection with ventilated electronics bay
10. Flowmax® cooling inducer for optimal cooling during all phases of flight and prolonged ground operations
11. IDROVARIO RS: Electro-hydraulic lightweight full carbon speed record propeller
12. GSF® Glider Surface Finish for maximum efficiency and durability
13. Amazing 3m² canopy for superior visibility in all phases of flight
14. Rear mounted High Speed Rescue system for extra safety

MOTORIZED CANOPY
REMOTE CONTROL

STRONG DESIGN
FOR GRASS RWY

VERY WIDE & ROOMY COCKPIT
PERFECT FOR LONGER FLIGHTS

LUGGAGE SPACE OF
COMPACT CAR (265L)

FIXED GEAR VERSION 'SIREN'
FASTER THAN MANY OTHER RG'S

REMOVABLE WINGS &
TAIL FOR TRANSPORT

600kg 1322lbs MTOW

SPECIFICATIONS

	R912S	R912iS	R914T	S912S
LANDING GEAR	RETRACTABLE			FIXED
POWER (HP)	100	100	115	100
MAX CRUISE SEA LEVEL	315 km/h 170 KTS	320 km/h 173 KTS	330 km/h 178 KTS	285 km/h 154 KTS
MAX CRUISE BEST ALTITUDE (TAS)	315 km/h 170 KTS	330 km/h 178 KTS	355 km/h 192 KTS	285 km/h 154 KTS
CRUISE 75% BEST ALTITUDE (TAS)	290 km/h 156 KTS	300 km/h 162 KTS	325 km/h 175 KTS	265 km/h 143 KTS
VNE (IAS)	340 km/h 184 KTS			330 km/h 178 KTS
STALL	55 km/h 30 KTS			65 km/h 35 KTS
MAX CLIMB	7,5 m/s 1500 ft/min	8,0 m/s 1600 ft/min	8,5 m/s 1700 ft/min	7,0 m/s 1400 ft/min
GLIDE RATIO	23:1			18:1
Take-off / Landing roll	150m/150m 490ft/490ft	150m/150m 490ft/490ft	120m/150m 390ft/490ft	150m/180m 490ft/590ft
LENGTH	6,80m (22,3ft)			
WINGSPAN	9,00m (29,5ft)			
CABIN WIDTH	1,23m (48,5in.)			

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RECORD PROPELLERS

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