MTO sport

BOUNDLESS ADVENTURE

AUTO GYRO

Enjoy the difference

THE BEST IN CLASS

International recognition

The MTOsport has been the world's best-selling gyroplane since the launch of the MT series in 2003. Within the scope of a redesign in 2017, the MTOsport acqired a new elegant silhouette, numerous new functions and various possibilities to customize the aircraft to suit individual customer needs.

One year after its launch, in April 2018, the new MTOsport 2017 received the worlds most recognized Red Dot Design Award in the category of "Best of the Best". More than 6,300 objects from manufacturers from 59 countries were submitted to the competition, and only 1% of the entries received this distinction.

reddot award 2018
best of the best

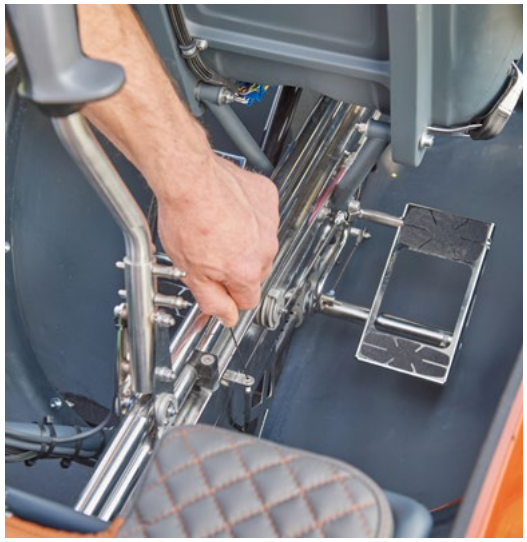
BORN TO BE AN ADVENTURER

The joy of the open cockpit

The MTOsport is often called the motorcycle of the sky. The open cockpit amplifies the feeling of freedom and being one with nature. Whether you fly with the rear body panels removed and a minimalist front cockpit, or a full body kit, the feeling is the same. Put your hand out of the cockpit and feel the open air. Be at one with nature.

Flying in an open cockpit doesn't mean compromising the comfort you deserve. The front and rear wind screens give great protection. The seat heater and heated suit power supply creates a cozy flight environment, where you can enjoy your wide and roomy cabin even in cold and wintry weather conditions. Both seats and pedals can be adjusted to your desired position. With adjustable lumbar support, you will be fully relaxed within the open cabin environment.

Modern EFIS (Electronic Flight Instrument System) and the latest models of Garmin equipment, are seamlessly integrated into the layout. The generous cockpit panel gives you room for all instrumentation you desire, for long-distance or local flights, at high or low altitude, day or at night. In this aircraft you have the best of all worlds, with advanced digital information and genuine physical comfort.



ERGONOMICALLY YOURS

Customizable cabin environment

SEAT HEATER. Optionally both seats can be fitted with heaters in the base and the back cushions, giving a wonderful warm feeling. Controls mounted on the left side control panel.

SEAT POSITION. The seat can be moved axially and vertically (combined movement), giving the perfect position for the pilots from 1.5m to 2m tall.

ADJUSTABLE PEDAL POSITION. To match different leg lengths.

OPTIONAL REAR SEAT REMOVABLE STICK FOR EASY ACCESS.

POWER LEVER on seat left side control panel (left hand), right hand on stick with press-to-talk button, trim and pre-rotate activator for the best possible ergonomics.

SINGLE LEVER CONTROL. RS Flight Systems single lever control together with the WOODCOMP KW 30 hydraulic constant speed propeller is managed automatically and delivers maximum thrust at all times according to the throttle setting. It reduces workload and increases flight safety, so that the pilots can easily manage complex missions in marginal weather condition or at night.

REAR SEAT INSTRUMENTATION is available for instructors, giving key aircraft performance indicators.

SIDE BARS add to the feeling of safety and security. These are optional and can be removed.

INSTRUCTOR PACK comprising of stick, pedals, throttle, and wheel brakes.

BEST INFORMED IN THE AIR

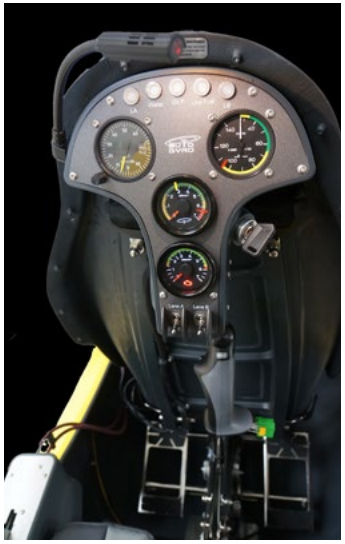
The high-end cockpit panel

AutoGyro is proud to offer a range of cockpit panels to suit all needs, from simple minimalistic arrangements to high-end fully integrated cockpits with the proven Garmin technology.

AutoGyro aircraft are available all over the world, using proven globally accessible equipment. Partnering with BRP Rotax and Garmin enables AutoGyro to ensure worldwide support for its products. This equipment is state of the art, and subject to change as technology advances.

The combination of optional Garmin gauges along with analogue gauges in the panel are designed to link directly to the Rotax iS engine CAN bus system, and provides unparalleled functionality to the pilot.

You can easily mount your mobile devices of multiple generations to the cockpit panel with an additional holder, and charge it during your journey. It further enables easy access to digital content such as GPS navigation, live weather, external flight information, communications, and even music.



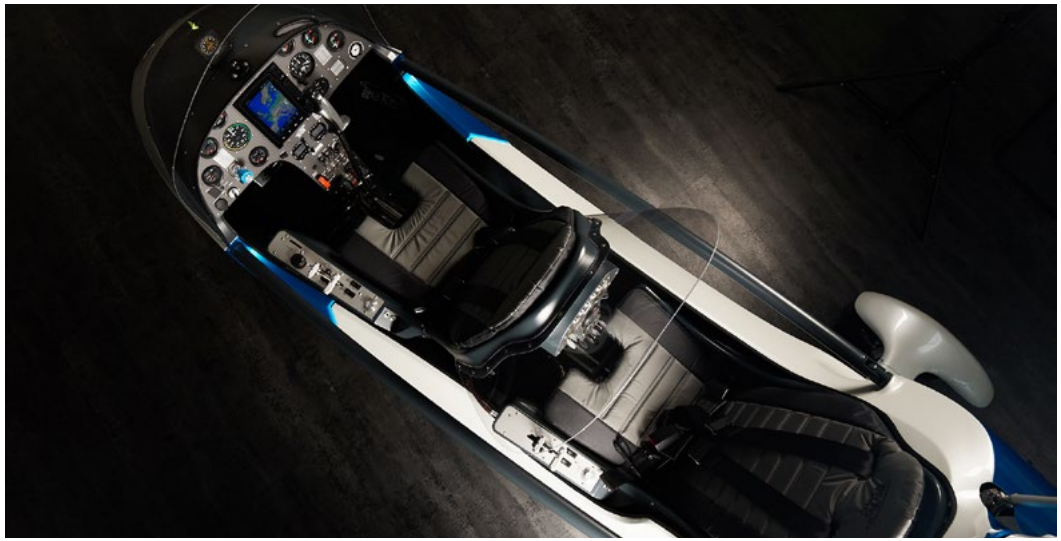
BE SEEN

The concept of physical and electronic visibility

Conspicuity within the world of aircraft means to be seen, either physically or electronically – and to see other aircraft. AutoGyro embodies the latest equipment, ADS-B (Automatic Dependent Surveillance – Broadcast) requirements, Mode S transponder, and all associated devices as they develop. AutoGyro aircraft are fully compliant with ADS-B transmission requirements, where required. Physical conspicuity is also key to safety, and in this regard, AutoGyro offers a range of suitable strobe and navigation lighting for both day and night VFR lighting.

Navigation and strobe lamps are tail fin mounted for excellent visibility and minimal cockpit flash. AutoGyro night lighting is fully certified for night VFR operation, where night operations are permitted. It includes basic landing lights and an optional super-bright under-body landing light. Excellent balanced and dimmable instrument lighting in both cockpits, with even a map light for both seats, make night operations a pleasure.

Additional red anti-collision beacons are also available, mounted on top of both mainwheel covers, for when 'being seen' is critical.



BE SAFEGUARDED

The exclusive safety concept

Just like modern cars, numerous safety sensors and measures are developed and equipped into an AutoGyro gyroplane. The unique safety measures unveil the real German craftsmanship. The AutoGyro starting point is always occupant protection. This is where the proven AutoGyro safety concepts count.

For instance, the rugged glass and carbon seat structure has been proven in test to exceed the toughest world safety harness requirements independently from the aircraft airframe. This means that the seat position is completely adjustable in position without affecting the harness, meaning comfort, practicality and safety, all in one.

Multiple warning sensors are equipped as standard to an MTOsport 2017 to keep the pilot fully aware of the aircraft status. Indicators such as low fuel, a low voltage lamp with integrated management system, fuel pressure, independent multiple sensors such as oil pressure and low oil pressure warning, coolant temperature and high coolant temp warning. All these systems are designed to provide redundancy and amplified warnings to ensure full situational awareness.

This is where the years of AutoGyro experience and knowledge make the difference.

THE HEART OF A TRUE SPORT ENTHUSIAST

The reliable and strong engine performance

The MTOsport 2017 aircraft is available with four engine options, the Rotax 916 iS 160hp engine, the Rotax 915 iS 141hp, the Rotax 914 UL 115hp engine, or the Rotax 912 ULS 100hp engine.

The 914 UL and 912 ULS engines are exceptional and well loved power plants, proven in AutoGyro service since 2003.

The Rotax 915/916 iS 141/160hp turbocharged fuel injection engines are equipped with the state of the art of technology in modern aircraft engines. They are fully FADEC (Fully authority digital engine control) controlled, enabling excellent low fuel burn in the cruise, whilst providing startling performance when used to their potential.

Two integral independent alternators mean that the engine management system has a dual redundant safe energy supply. In normal use the primary alternator supplies the engine management system, and the secondary supplies all on board systems, with fully automatic switching in case of failure. An auxiliary alternator is available to power additional equipment such as camera and Lidar systems. Featuring also dual ignition, dual fuel injection, and even dual engine sensor arrays, these engines are an exceptional power supply capabilities for our aircraft.

TECHNICAL DATA OF ROTAX ENGINES 915/916 IS

- Dual Lane full power with single lane use
- Dual Generators Fail safe due to dual generator design
- Redundant Sensors
  - » Dual ambient pressure sensors
  - » Dual boost pressure sensors
  - » Dual manifold pressure sensors
  - » Dual oil pressure sensors
- Redundant fuel injectors
- Redundant spark plugs
- Redundant ignition boxes
- Redundant EMS (Engine Management System) ensures safe operation
- Full take of power up to 15.000ft
- Engine Service Ceiling at 23.000ft
- 141/160hp take off power
- 135/137hp continuous power

TAILORED TO YOUR NEEDS - INTERIOR

More configuration options are available! Please talk to your sales representative for details.

Cockpit configuration*

GPS, CLOSED FRAME

G5, ANALOG SECTION T

DUAL GARMIN G5, AERA 660

DUAL GARMIN G5, AERA 670

*Cockpit layouts may vary to suit customer and market requirements, and are subject to change. Cockpit panels fitted with 912 ULS or 914UL engines differ slightly from those shown.

1. 2. Dual Garmin G5

- Airspeed
- Altitude attitude
- Vertical speed
- Gyro compass
- Slip ball

3. Optional fitment of additional Garmin G5 or otherGarmin products

4. f.u.n.k.e. radio and transponder or TRIG transponder

5. Optional fitment of multiple gauges

- Vertical speed
- Altitude
- Clocks
- Traffic avoidance systems
- Emergency Locator

6. Garmin aera 660

- 5 inch sunlight-readable touch screen
- Full map displays
- Full flight management data

7. Garmin aera 760

- 7 inch touch
- Heading
- Track
- Level
- Navigation

TAILORED TO YOUR NEEDS - INTERIOR

Cockpit configuration*

More configuration options are available! Please talk to your sales representative for details.

DUAL GARMIN G5, GARMIN G3X GDU 460

DUAL GARMIN G5, IPAD 4 MINI

REAR COCKPIT

*Cockpit layouts may vary to suit customer and market requirements, and are subject to change. Cockpit panels fitted with 912 ULS or 914UL engines differ slightly from those shown.

1. 2. Dual Garmin G5

- Airspeed
- Altitude attitude
- Vertical speed
- Gyro compass
- Slip ball

3. f.u.n.k.e. radio and transponder or TRIG transponder

4. Garmin G3X GDU 460

- 10 inch touch screen
- Full map displays
- Full flight management data

5. IPAD 4 MINI

- Full map displays

6. Rear Cockpit

- Two guarded Lane switches
- Altimeter
- Airspeed indicator
- Engine and rotor RPM
- 12-volt socket

TAILORED TO YOUR NEEDS - INTERIOR

Seat covers are customizable in a variety of colours.

More configuration options are available! Please talk to your sales representative for details.

Seat cushion options

Seat Cover Leather

Seat Cover Standard

TAILORED TO YOUR NEEDS - EXTERIOR

Body paintings are customizable in a variety of colours.

More configuration options are available! Please talk to your sales representative for details.

Body Painting - Let your imagination run wild

BASIC COLOUR OPTIONS

TRAFFIC WHITE

CORRIDA RED

RACING YELLOW

DESIGN LINES

Lime Green

Ferrari Rosso F1 met

Alfa Romeo Blue Francia Metallic

Porsche Orange

DESIGN COLOUR

Alfa Romeo Blue Francia

B8 Lamporghini Giallo Midas

Porsche Orange

Porsche Lizard Green

BMW Carbon Black Metallic 416
& BMW Sunset Orange Metallic

White Matt Sport Line

Blue White Sport Line

Bentley Bronze

TAILORED TO YOUR NEEDS - FUNCTION

PROPELLER

HTC 4-BLADE PROPELLER

(available with the engine option of 915 iS, a 3-blade version is fitted to other engines)

A robust ground adjustable propeller comprising carbon fibre composite blades fitted into a 2-part aluminum hub.

Fixed pitch propellers are simple and light. However, a fixed pitch propeller must be pitched to give the best compromise of climb rpm without being set to not over-rev in high speed level flight. To get the best from the engine, an in-flight pitch adjustable propeller is recommended, which also enables the use of reduced rpm in the cruise for low noise generation, and low fuel burn.

WOODCOMP IN-FLIGHT PITCH ADJUSTABLE PROPELLER

(available with the engine option of 915/916 iS)

The electric KW-31 has been used by AutoGyro for many years, and in this application – in conjunction with Rotax recommendations – the hydraulic version KW-30 is offered. This is a full constant speed propeller delivering full engine rpm – or any rpm desired by the pilot – in all operating conditions.

To further reduce pilot workload, AutoGyro also offers the integration of the RS Systems Single lever throttle control. This remarkable device sets the propeller pitch to match the engine rpm, providing stunning performance.

THE 5-BLADE DUC PROPELLER HELICES FLASH 2

(available for amphibious operation)

IVOPROP ELECTRIC IN-FLIGHT PITCH ADJUSTABLE PROPELLER

(optional for the engine option of 912 and 914)

ROTOR

More configuration options are available! Please talk to your sales representative for details.

8.4m TOPP Excellent all-round system with good inertia and excellent long range cruise handling.
8.6m TOPP Large disc area gives slightly more drag, but more lift. Ideal where flight operations are generally with a mass of 560kg or above, or in warmer or higher environments.
8.8m Standard* For floats or high load operations.

MAIN WHEEL TYRES

STANDARD TYRES

Sava 6PR aircraft certified tyres.

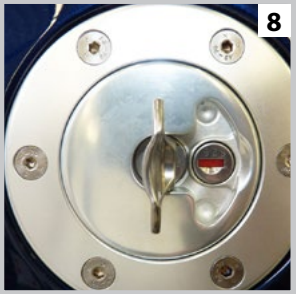
OPTIONAL HEAVY DUTY TYRES

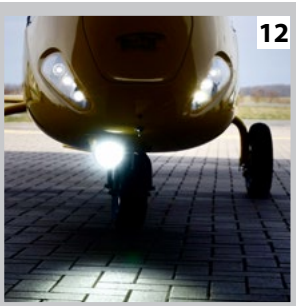
Heidenau 8PR tyres (+0.5kg each). Recommended for school or extensive tarmac operations.

*Only available in the option for amphibious and float options

TAILORED TO YOUR NEEDS - ACCESSORIES

Additional Options





1. Heated jacket, trousers, socks and gloves
Keeps you warm during the entire journey, power supply sockets fitted as standard

2. Flight suit
Lightweight, and warm flight suit with water resistance surface

3. 4. AutoGyro flight helmet and the adapter
Available with either Binder or twin jack connectors. Headset adapters available to suit Binder or other helmet types.

5. Four point safety belt with turn-lock fastener
Optional in place of the two-point car-style harness

6. iPad bracket
Fits iPad Mini/Air/Air2; We offer a multitude of GPS devices mounting

7. Keel tube fin
Reduces the aircraft noise footprint and reduce propeller damage

8. Lockable fuel cap
Keeps your fuel safe

9. 10. Wheel cover
The lightweight version for the front wheels
The standard/easy access version for the back wheels

11. Covers
Keep your aircraft clean and away from fiddling fingers with this all over cover

12. Under-body landing light
Super-bright, giving clear runway visibility during night operation

A VERSATILE TALENT

A true broad range of professional use

MTOsentinel may be equipped with day/infrared cameras as the perfect solution for fulfilling missions such as search and rescue, surveillance, and inspection.

MTOagric & MTOterminator are equipped with the AGNAV system, which enables the aircraft to perform targeted precision dosing of pesticide spraying. Quantities from 1 to 40 litres per hectare can be sprayed with the MTOagric. The MTOterminator variant provides extra protection measures to the pilot and the aircraft for challenging locust control missions.

MTOnautic is a proven configuration with floats allowing take off and landing on both inland and coastal waters, where permitted.

MTOamphib can safely operate on both land and water, making it ideal for diverse professional operations.

MTOpro is the Pro version of the AutoGyro MTOsport, compliant with UK Civil Aviation Authority requirements for a UK Standard Category Certificate of Airworthiness.

MTOtrigo. Where three seat operations are permitted, this version allows for the carriage of two persons or equivalent payload, perfect for dropping parachutists, stores, or scenic tours.

FLYING WITH CUSTOMER CARE

Spare parts supply, continuous airworthiness and maintenance

To become the proud owner of a fabulous AutoGyro product is only the beginning of a long and happy relationship. The life cycle of an AutoGyro aircraft is expected to be more than 25 years.

AutoGyro embraces this long term responsibility with the following commitments:

SPARE PARTS AutoGyro holds a wide range of spare parts which are quickly available via our global supply network. In an AOG (Aircraft on Ground) event, we have a fast track service enabling, where possible, next day delivery.

CONTINUOUS AIRWORTHINESS We constantly monitor all reported incidents from our global fleet to find ways to improve our products. We responsibly publish these as Service Bulletins and Information Letters via our Technical Support portal, with open access so that all customers can be fully supported wherever they are located.

MAINTENANCE Correct and proper maintenance of your new aircraft is critical to safe operation, and we offer professional training by AutoGyro Instructors to maintenance personnel. Maintenance, service requirements and documentation are all found in the Technical Support portal.

WORLDWIDE CERTIFIED

Fully certified and compliant to the highest safety requirements

Every country has national gyroplane certifications and regulations which strictly regulate the key requirements in terms of performance, structure and on-board systems, to give maximum flight safety. AutoGyro aircraft are designed and demonstrated to comply with the highest worldwide combination of these regulations.

AUTOGYRO AIRCRAFT COMPLY WITH:

The German BUT (Bauvorschriften fur Ultraleichte Tragschrauber). The DULV in Germany have audited the AutoGyro aircraft as part of each release to service in considerable detail, and each type carries a German Kennblatt approval.

UK BCAR Section T CAP643 Gyroplane Airworthiness Requirements, demonstrated by full UK Civil Aviation Authority audit and approval, and issuance of permits to fly for day and night VFR.

Additional UK Certification Approval inclusive of CRIE-01, enabling the issue of a UK ICAO compliant Standard Category Certificate of Airworthiness. Only AutoGyro aircraft have ever been shown to meet this stringent standard.

Federal Aviation Administration (FAA) of America type certificate. AutoGyro aircraft are available either in the kit built experimental category, or uniquely as factory-built, ready to fly. Only AutoGyro gyroplanes carry an FAA Special Certificate of Airworthiness within the Primary Category, and can be used for aerial work (except the carriage of goods and persons).

Australian Sport Rotorcraft Association approval.

CCAR-21 requirements of the Civil Aviation Administration of China. AutoGyro aircraft carry a CAAC Type Certificate (TC), and AutoGyro as a manufacturer has been audited by CAAC and awarded their coveted Production Certificate (PC).

AutoGyro aircraft are further certified in the following countries:
Austria, Brazil, Canada, Costa Rica, Czech, Dubai, France, Hungary, Iraq, Israel, Kenya, Mexico, Mongolia, Namibia, Netherlands, New Zealand, Norway, Philippines, Poland, Portugal, Qatar, Romania, Russia, Saudi Arabia, Slovakia, South Africa, Switzerland, Sweden, Thailand, Turkey, Uruguay

FLYING WITH ENVIRONMENTAL AWARENESS

Low carbon footprints, more perspective for the future

Low fuel burn doesn't only mean the significant reduction of your operational costs. It leads directly to drastically less exhaust emissions and a low carbon foot print.

Thanks to the technological integration of the industry-leading aircraft engines, combined with AutoGyro advanced design concepts, AutoGyro aircraft are able to achieve high performance with low fuel consumption. The computer controlled automatic lean engine setting works automatically to decrease the fuel flow to the engine at higher altitude or in cruise mode. It is the best trade-off of power, performance and fuel consumption you can get.

Long Life Cycle

Unlike a car, an AutoGyro gyroplane has a long service life and expected to exceed 25 years.

The extended long life cycle reduces the recycling and depreciation cost. It means the usage of a gyroplane is more sustainable and environmental friendly compared to many other industrial products and transportation vehicles.

Less Noise Emission

With an independently verified and incredibly low noise footprint, AutoGyro aircraft quietly set a new standard. Less than 63 dB is at a level much below than the noise emission of most general aviation aircraft.

For comparison, a vacuum cleaner is about 75 dB, while a power lawn mower is about 90 dB.

Green Concept

Based on these unique characteristics, AutoGyro pursues green airborne solutions for industrial special missions and public service agencies. In 2015, AutoGyro developed the world's first-ever electrical gyroplane in cooperation with Bosch, supported by the EU.
AutoGyro aircraft are used worldwide in law enforcement, aerial surveying and for agricultural purposes.

TECHNICAL DATA

915/916 iS engine versions*

L x W x H (exclude rotor)	5.25 m x 1,9 m x 2,8 m (17.06 ft x 5.85 ft x 9.1 ft)
Rotor length	8.4 m / 8.6 m / 8.8 m(27,3 ft / 27.95 ft / 28.6 ft)
Empty weight	290 kg (649 lbs)
MTOM (Max. Take-Off Mass)	560 kg (1232 lbs)
Engine	Rotax 915/916 iS[1]
Take-off distance, wheels up[2]	110 m (357 ft)
Take-off distance, to clear 15m (45 ft) obstacle	260 m (854 ft) for 915 iS 250 m (821 ft) for 916 iS
Climb rate	4.8 m/s (936 fpm) for 915 iS 5.9 m/s (1150 fpm) for 916 iS
Max. endurance[3]	up to 5,5 hours
Max. range[4]	up to 550 km (330 miles)
Cruise speed	90-185 km/h (55-110 mph)
Cruise 70% power setting, MTOM	160 km/h (100 mph)
Max. speed (Vne)	195 km/h (120 mph)
Fuel capacity	96 L (25 US Gallons)
Comply with	BUT (Germany), Section T (UK), ASRA (Australia), CCAR-21 (China), USA Primary Category

* Technical data can vary regarding country-specific legal requirements and is also depending on propeller/rotor/fuel/engine and aircraft configuration/equipment. Please always refer to the Pilot's Operating Handbook.

1. 912ULS and 914UL engine variant data available separately. See the respective POH
2. 560kg take-off standard weight on short grass, ISA conditions
3. Typical aircraft configuration applies: 1 pilot (80 kg), 40 l fuel, 2000 ft MSL
4. Typical aircraft configuration applies: 1 pilot (80 kg), max fuel, 2000 ft MSL

AUTOGYRO AS A COMPANY

Made in Germany and for the globe

AutoGyro is the world leader in the innovation, production, and distribution of gyroplanes.

Production commenced in 2003, and since then AutoGyro has produced and delivered more than 3.100 aircraft across the globe. The company has the highest market share in the gyroplane industry.

Based in Hildesheim, Germany, all of the AutoGyro models are developed in-house and more than 90% of the aircraft parts are self-manufactured. These German engineered aircraft are fully certified by multiple national aviation authorities, and operate with standard category Certificates of Airworthiness.

With a sales and service network in over 40 countries, AutoGyro is well placed to support national or international flight requirements, wherever the aircraft is planned to operate.

International Partners

Australia • Austria • Brazil • Bulgaria • Canada • China • Columbia • Costa Rica • Czech Republic • Denmark • Finland • France • Estonia Hungary • India • Iraq • Ireland • Israel • Italy • Latvia • Lithuania • Mexico • Mongolia• Namibia • Netherlands • New Zealand Norway • Philippines • Poland • Portugal • Qatar • Romania • Saudi Arabia • Serbia • Slovenia • South Africa • South Korea • Sweden Switzerland • Thailand • Turkey • Ukraine • United Arab Emirates • United Kingdom • United States of America • Uruguay

reddot design award winner 2012

reddot award 2018 best of the best

GreenTec Awards TOP 10 2016 Luftfahrt Wirtschafts Woche

Deutschland Land der Ideen Ausgewählter Ort 2009

TOP 100 2011 Top-Innovator

German Design Award WINNER

MTO sport

EXPLORE THE REAL WORLD

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AUTOGYRO
Enjoy the difference