

TENSOR



REDEFINE POSSIBLE  
TENSOR 600X

TENSOR.AERO

# PUSHING THE ENVELOPE

“TOUGH MISSIONS REQUIRE TOUGH DECISIONS.  
AND THAT CALLS FOR COURAGE.”

CHRISTOPH FRAUNDORFER

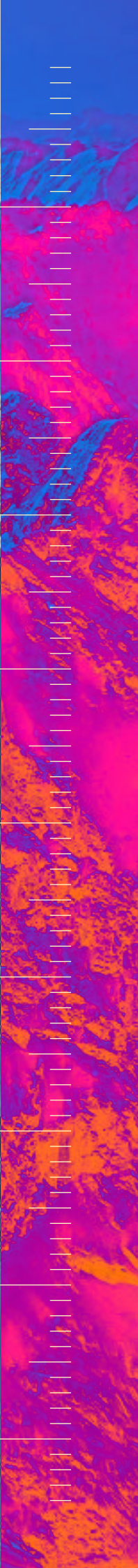
↗ We founded TENSOR AG many years ago with the aim of doing something that was considered impossible: we wanted to create a new, much more efficient and powerful type of aircraft that would not only make the beauty and efficiency of flight available to everyone, but would also enable pilots to fly environmental protection and disaster relief missions that were previously unfeasible.

To do this, we needed to carry out highly complex aerodynamic calculations that had not been resolved for decades. After seven years full of risks and dead ends,

we finally achieved the breakthrough. We developed and patented a technology that now enables safe and efficient flight in conditions where helicopters and airplanes hit their limits.

The TENSOR 600X is our first aircraft to use this technology and it's proof that facing challenges, taking risks, and forging your own path is worth it, even if this seems impossible at first.

TENSOR 600X – REDEFINE POSSIBLE



# SPECIAL MISSION AIRCRAFT

ANY TIME. ANY PLACE. ANY CONDITIONS.

HIGH-END TECHNOLOGY

Reliability and safety are pivotal when using an aircraft on a daily basis. From the outset, we developed the TENSOR 600X to be able to fly safely and reliably under even the most difficult conditions. Inclement weather\*, low altitudes, and regions with a scarcity of suitable landing areas are no match for its technology. Each time a pilot takes off into the sky, he or she can rest assured that they will be able to complete their mission.

The TENSOR 600X is based on the new Fraundorfer R01 high-tech rotor system – an entirely new, innovative, and unique generation of autorotation rotors. The system was developed using the latest computer simulations in order to achieve unprecedented performance, stability, and safety.

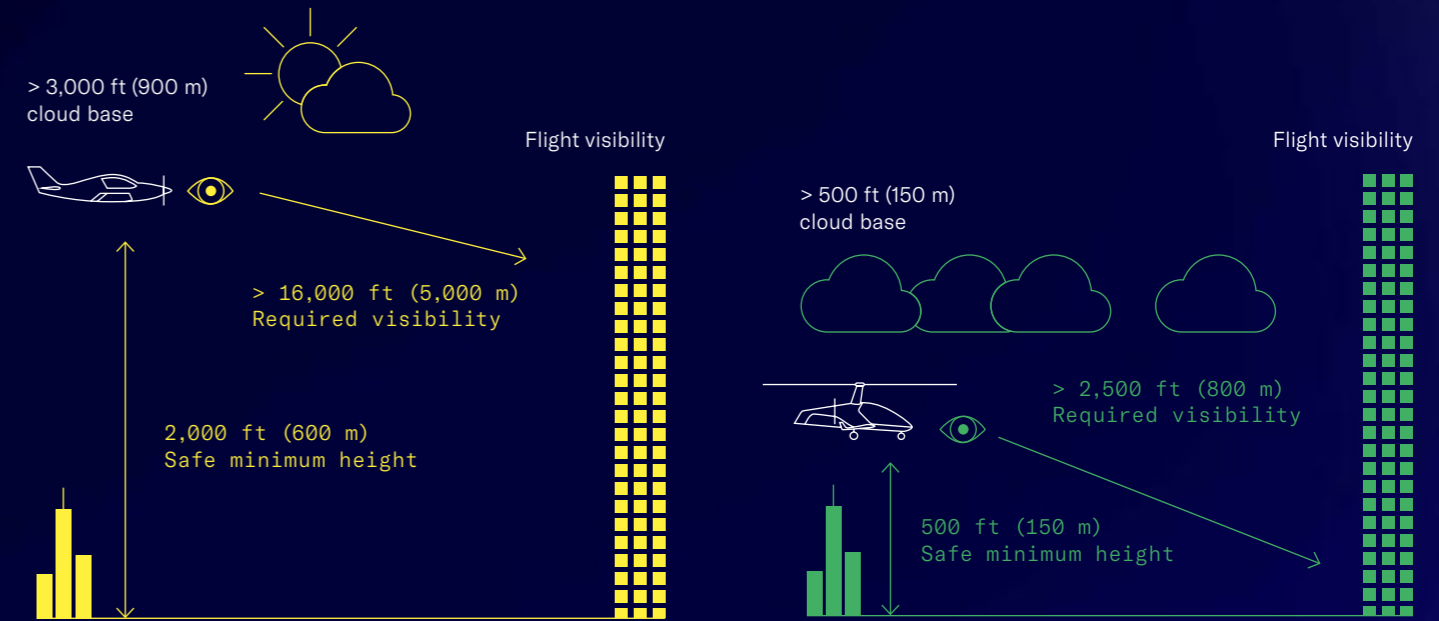
The TENSOR 600X is at home where other aircraft hit their limits.

- AGILITY OF A HELICOPTER
- NO STALL
- FLYING IN INCLEMENT WEATHER CONDITIONS\*
- NO SPIN
- EXTREMELY SHORT TAKE-OFF AND LANDING (XSTOL) CAPABILITY
- NO DEAD MAN'S CURVE
- NO VORTEX RING STATE



\* Visual flight according to visual flight rules (VFR) – conditions under which rescue helicopters operate.

## ABILITY TO FLY IN INCLEMENT WEATHER CONDITIONS\*



Single-engine aircraft:  
Good weather conditions are essential.

TENSOR:  
Safe, reliable flying – even in critical weather conditions\*\*



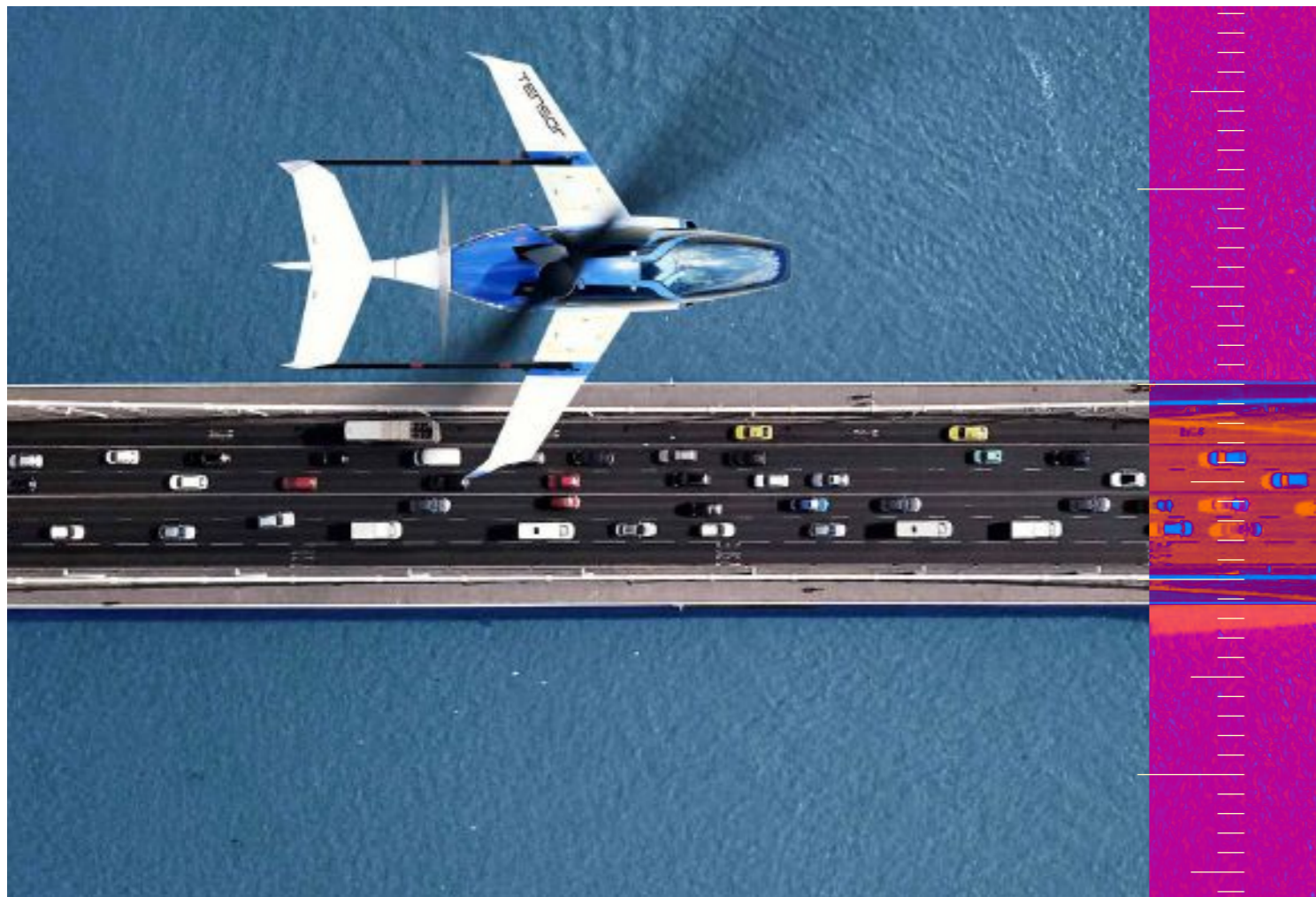
\*\* Definition according to the German Meteorological Service – General Aviation Forecast (GAFOR).

## REALISTIC OPERATION BASED ON WEATHER CONDITIONS\*\*\*



\*\*\* Calculation based on weather data from 2016, for a turn around flight from Stuttgart to Rostock.

# FLEXIBILITY. SPEED. RANGE.



## SETTING NEW BENCHMARKS

↗ Protracted flight preparations, extensive pre-flight checks, laborious ground handling: until now, private aviation has been a long, drawn-out affair – not to mention expensive. What's more, flight clearance has been reliant on suitable weather conditions, meaning many flights never make it into the sky.

The TENSOR 600X presents an all-new approach to private aviation. It encompasses training, servicing, maintenance, and operation – and naturally the aircraft itself. The result: less time and money, more personal mobility for people with packed schedules.



→ AIRBORNE IN 10 MINUTES

→ 200 KM/H (108 KTS) CRUISING SPEED

→ 600 KM (324 NM) RANGE

→ SAFER THAN ANY OTHER AIRCRAFT

→ FASTER THAN ANY OTHER MEANS OF PERSONAL TRANSPORT

# A NEW LEVEL OF EFFICENCY

## PROFESSIONAL TRAINING

↗ Complete your flight training through individual sessions with professional pilots and flight instructors based on a proven step-by-step approach featuring the latest training methods, simulator training, and block courses. Fast, safe, and efficient, this is the ideal way to integrate aviation training into any schedule and benefit from the safety and expertise of professional pilots.

## PILOT-TO-PILOT GUIDANCE

↗ Flying professionally is about continuous learning and maximizing expertise. This provides confidence and safety in the skies. Our team organizes regular training camps and tours, during which trainees receive 24/7 support from professional pilots.

## FULL-SERVICE PACKAGE

↗ Our company draws on many years of experience to take care of all organizational matters. This includes support with financing, registration, insurance, and license acquisition. We also cover on-site servicing and the maintenance of your aircraft. You focus on the joy of flying – we'll take care of the rest.

- PILOT LICENSE IN TWO BLOCKS OF TWO-WEEK TRAINING SESSIONS
- MAINTENANCE AND SERVICING AT YOUR SITE
- 24/7 PILOT-TO-PILOT GUIDANCE

↗ When you're successful, time becomes very valuable and the ability to travel in the air is an asset that few can draw on. The experts at TENSOR AG are on hand to teach this ability through extensive training courses, special offers, and related services. Enjoy professional aeronautical support, 24/7 pilot-to-pilot guidance, and more. With these additional offers, we ensure that all you have to worry about is enjoying your next flight.

Request a demo flight  
(no prior knowledge or flight license required):

[TAKEOFF@TENSOR.AERO](mailto:TAKEOFF@TENSOR.AERO)









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Information regarding potential uses is solely to be understood as illustrative; it does not represent a guarantee and depends on the respective TENSOR 600X equipment, weather conditions and the pilot's experience in each individual case. In any case, use is at your own risk.

In addition, the permitted scope of use depends on legal framework conditions, which may vary from country to country. It is the pilot's responsibility to find out more information in this regard.



Contact

