

First time at the Paris Air Show: TENSOR 600X

Tensor AG presents first commercial gyroplane in Paris

Paris/Genderkingen, June 19, 2023. Tensor AG, based in Genderkingen, Bavaria, will present its newly developed TENSOR 600X gyroplane for the first time at the Paris Air Show 2023 (Hall 2A, C 286/A, Static Display Island A-4). The TENSOR gyroplane with its revolutionary new rotor blade design opens up a completely new market segment in the aviation industry between helicopters and fixed-wing aircraft. The TENSOR is the first high-performance, high-payload gyroplane to enable commercial and professional airborne applications for border, earth and object observation.

The TENSOR gyrocopter is aimed at customers who require extremely short take-off and landing characteristics (XSTOL) and a wide speed range from 30 kts to a maximum of 130 kts while keeping operating costs low. For example, the TENSOR gyroplane can take over search and surveillance missions from helicopters at a fraction of the operating cost. Due to the principle of permanent autorotation, TENSOR gyroplanes are also among the safest and most flexible aircraft available. The gyroplane is equipped with an innovative interchangeable system for different sensors and equipment, making it very versatile. Its features and performance make the TENSOR particularly suitable for military, police, homeland and border security missions.

The TENSOR 600 series presented at the Paris Air Show is currently in the final stages of certification in Germany and is scheduled for delivery to customers in spring of next year. The next planned step is the EASA and FAA certification of the 600 series with up to 800 kg MTOW for commercial use.

Applications from professional use to cargo and passenger transport.

With the first commercial gyroplane, the TENSOR 600 series, the team of Tensor AG has now created a new type of aircraft that can transport people and goods to the most remote regions efficiently, safely and in an environmentally friendly manner. On the one hand, the aircraft can fly professional missions. The second application is unmanned cargo transport. It is possible to transport goods between remote locations in mountains, deserts, on islands and in rough terrain, as well as transport in factories and military transport. The third application is passenger transport - both for shuttle services or personal vacation transport, and for personal mobility such as business travel.

eFuels for sustainable flying

Tensor's gyroplane is designed to integrate different propulsion concepts. The goal is to power the aircraft with synthetic fuel as soon as possible and thus fly CO₂-neutral. Tensor AG is a partner in the federally funded research project "DeCarTrans" (Demonstrating a Circular Carbon Economy in Transport Along the Value Chain) and represents the aviation segment in the eFuels project. Together with its partners, Tensor AG expects the project to be an important step towards the market launch of

the synthetic fuel. It is produced from biomethanol using the methanol-to-gasoline (MtG) process.

About Tensor AG

Tensor AG, formerly Fraundorfer Aeronautics, is a Bavarian technology and aviation company based at the Donauwörth-Genderkingen airport (EDMQ). It has developed and patented a new rotor technology for gyroplanes that opens up a new market segment in the aviation industry between fixed-wing aircraft and helicopters. The company's vision is to fly where it has never been possible before. With its innovative technology, Tensor aims to establish efficient and environmentally friendly airborne locomotion that is independent of ground infrastructure. Behind Tensor AG are engineers and pilots with many years of experience in the aviation industry and research.

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