



Full-stack UAV solutions for Industrial Applications

FIXAR is a European full-stack developer of autonomous UAVs for industrial applications.

Founded in 2018 by aerospace developer Vasily Fainveits, the company holds a patented design based on the Fixed Angle Rotors (FIXAR) principle that is simpler and more reliable than other configurations. The company serves the global market and currently holds 45 established dealers in the USA, EU, Israel, Australia, Japan, African countries, the Republic of Korea, Brazil, and other regions.

The company's flagship model is FIXAR 007, which is a UAV dedicated to outdoor VLOS and BVLOS missions. The FIXAR 007 is a Fixed-Wing Vertical Take-off and Landing vehicle, or VTOL. It's a hybrid design that offers the convenience of a quadcopter but has the range and efficiency associated with a traditional winged design. It can take off and land anywhere, and no cumbersome launchers or capture devices are required. FIXAR 007 performance characteristics: flight time is up to 1 hour on one battery charge, payload capacity is up to 2kg (4.4 lb), and max flight distance is 60 km (37.2 mi).

Most VTOL drones with wings require that the angle of the motors change when transitioning from vertical to horizontal flight. FIXAR uses a patented *Fixed-Angle Rotor* system, meaning fewer moving parts or potential points of failure. Transitions are seamless, and all motors are in use throughout missions. Unlike designs that shut down motors during forward flight, the FIXAR has no "dead weight." [Video: how FIXAR 007 works.](#)

In 2022, FIXAR announced the long-range eVTOL FIXAR 025 with extended flight time and range. FIXAR 025 model has a payload capacity of 10 kg (22 lbs) and a flight distance of 300 km (186 mi). The FIXAR 025 will be available for the clients since the middle of 2023 for mapping, surveillance, and delivery missions.

The configuration of FIXAR™ UAVs, in conjunction with a high Payload/MTOW ratio, makes the FIXAR drones ideal for a multitude of tasks: aerial photography and mapping/photogrammetry, laser scanning (LiDAR), last-mile delivery, precision agriculture, critical infrastructure monitoring and more.

Key facts

Headquarters	Riga, Latvia
Year of foundation	2018
Number of employees	35
Dealerships	45
y-o-y growth	4.5x
IP	PCT for F007 aerodynamic design US provisional application for F025 US provisional application for payload safety system Design application for xGroundControl Software (GUI) Industrial design certificate EU, US, Canada FIXAR Autopilot, xGCS (software certificates) FIXAR™ brand name and trademark

Media contacts:
media@fixar.pro
www.fixar.pro