

## PROJECT MEDIA RELEASE

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## FIXAR takes part in EIT Urban Mobility project to develop Urban Air Traffic Management (UATM) System

In 2022, FIXAR becomes a partner of the project Urban Air Traffic Management DEVelOpment & DEMOnstration, led by Istanbul Kultur University Technology Transfer Office.

The main goal of the project is to bring together experts from state, business and education sectors to propose the Urban Air Traffic Management (UATM) System to develop and deploy solutions for the mobility needs of people and businesses, including the delivery of goods, waste collection, and transport with the aim to facilitate, improve and even solve air quality and congestion problems, and create long-standing impact on cities and urban life quality.

In this project, FIXAR is working together with the project's technical team and providing the full-stack drone solution for flight and system integration, as to demonstrate real time examples of possible solutions. FIXAR also takes the role of a lead commercialization partner for RIS (Regional Innovation Scheme) innovation project.

"FIXAR team is pleased and honoured to take part in a project that is covering highly relevant subject for the unmanned aerial vehicle industry. We see that management systems for the low airspace traffic are necessary and fundamental as drones are becoming more accessible and the number of users increase. As drone applications continue to expand and improve, we expect a continuous increase of the aircrafts amount in the low airspace," **Yulia Druzhnikova**, Co-founder and Director of Global Expansion at FIXAR.

"It is inevitable for urban traffic management to make the shift from the current human-controlled system to an autonomous system on urban airspace and this way enabling the capacity to open the airspace to a large number of users. Therefore, we are looking to develop an automated UATM system targeting urban air mobility which is a specific area of future mobility," **Alparslan Güney**, Deputy Director and Project Manager at Istanbul Kultur University Technology Transfer Office.

The system will be using innovative operational research algorithms developed by the project partners and evaluation of the effectiveness of the algorithm will be demonstrated through real-time simulations and drone flight demonstrations.

The first demo flights are expected to transport blood samples or medical products between medical facilities with the drones communicating with the UATM center. The first demonstration will take place in Belgrade this year with the second phase scheduled to take place in 2023 in Istanbul, Riga, Terrassa and Belgrade.

The consortium partners for the first phase of 2022 are listed below:

- Istanbul Kultur University, University, (Istanbul, TURKEY)
- FIXAR AERO SIA, SME, (Riga, LATVIA)
- ISBAK (Istanbul IT and Smart City Technologies Inc), City Company, (Istanbul, TURKEY)
- FERROVIAL, Company, (Madrid, SPAIN)
- Ada GUZEY Engineering, SME, (Sivas, TURKEY)
- University of Belgrade – Faculty of Transport and Traffic Engineering, University, (Belgrade, SERBIA)
- City of Belgrade, City, (SERBIA)

*The project is supported by EIT Urban Mobility, an initiative of the European Institute of Innovation and Technology (EIT), a body of the European Union*

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## About EIT Urban Mobility

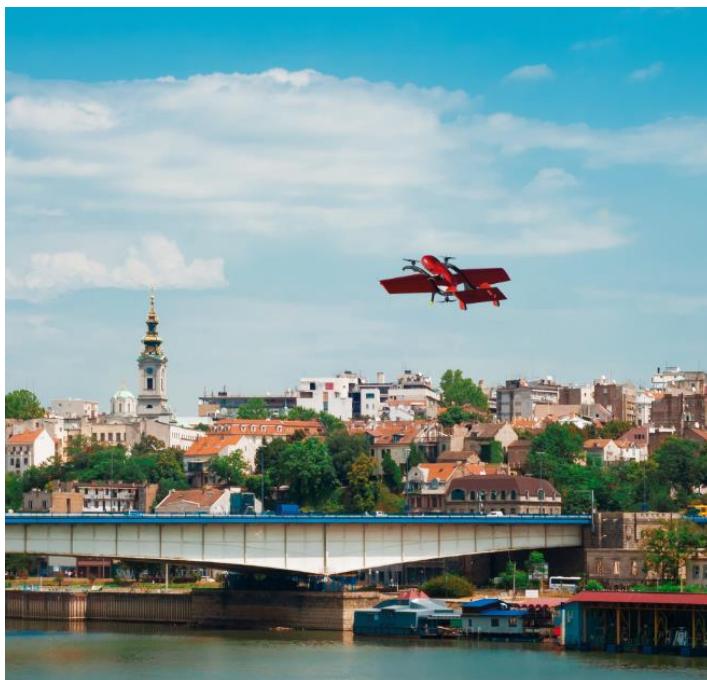


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*EIT Urban Mobility, an initiative of the European Institute of Innovation and Technology (EIT), a body of the European Union, aims to accelerate solutions and the transition towards a user-centric, integrated and truly multimodal transport system. As the leading European innovation community for urban mobility, EIT Urban Mobility works to avoid fragmentation by facilitating collaboration between cities, industry, academia, research and innovation to solve the most pressing mobility challenges of cities. Using cities as living labs, its industry, research and university partners will demonstrate how new technologies can work to solve real problems in real cities by transporting people, goods and waste in smarter ways.*

## About FIXAR

FIXAR is a European leading full-stack software and aircraft design developer, powering commercial autonomous UAVs for industrial applications. Founded by aerospace engineer Vasily Lukashov, the company holds a unique patented commercial drone design that is simpler and more reliable than other configurations. The company has a presence in North America, Europe, India, Middle East, and Africa and provides world-class service through the network of distribution partners.



eit Urban Mobility

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