**Press Release July 2025**

**STM Unveils Its Next-Generation VTOL UAV Solution**

*STM has unveiled its latest fixed-wing VTOL UAV system at IDEF 2025. With long endurance, multi-munition compatibility, and high payload capacity, STM VTOL is ready to meet both military and civilian mission needs.*

A leading force in Türkiye’s defense industry, STM continues to showcase its next-generation tactical UAV systems at the IDEF 2025 International Defence Industry Fair in Istanbul. Among its new innovations is STM’s fixed-wing Vertical Take-Off and Landing (VTOL) UAV — now revealed to the public for the first time.

**Güleryüz: STM’s VTOL Concept Is Designed to Perform Multi-Role Missions**

STM General Manager Özgür Güleryüz emphasized their advancements in the tactical UAV domain:

“Alongside our rotary-wing platforms, we have developed a new fixed-wing concept that meets operational requirements in the field. STM VTOL removes the need for runways and brings superiority in extended missions. With a payload capacity of up to 10 kg and versatile mission capabilities, it can support not only military operations but also disaster response, search and rescue, and critical logistics. It can take off from naval platforms or any point on land. STM VTOL is capable of deploying FPV drones, 81 mm UAV munitions, or smart munitions. With this indigenous and innovative solution, we are committed to meeting both today’s and tomorrow’s operational needs.”

**Extended Operational Endurance with STM VTOL**

Developed by STM, the Fixed-Wing VTOL UAV offers a versatile solution for both military and civilian missions with its runway-independent structure and autonomous mission capability. The system stands out with its long endurance and high payload capacity, and can autonomously perform missions such as reconnaissance, surveillance (ISR), munition deployment, and surface mine detection. Equipped with integrated EO/IR imaging systems, STM VTOL can operate effectively day and night, and can be deployed in the field by a single operator in a short time.

**Capabilities**

* Intelligence, Surveillance, Reconnaissance (ISR)
* Autonomous mission planning
* Day/night operational capability
* Modular design

**Key Technical Features**

* Endurance: ≤ 2 hours
* Payload capacity: ≤ 10 kg
* Range: 30 km
* Max cruise speed: 25 m/s
* GNSS-independent operation

**Payload Options**

* 2× TUNGA Smart Munitions
* 4× 81 mm UAV Munitions
* 2× KarguFPV Drone Carriage and Release

**About STM**

For over 34 years, STM has been delivering engineering, technology, and consultancy solutions to the defense sector. With expertise in military naval platforms, tactical mini UAV systems, command and control systems, cybersecurity, big data analytics, and artificial intelligence, STM addresses critical operational needs for Türkiye and its allies.