

## UMILES Next and TECNALIA present their remotely-operated and automated vehicles to shape the mobility of the future

- *Testing was undertaken as part of the Mobility Solutions Show, a brand-new event for companies on urban and intercity mobility solutions taking place today and tomorrow in Toulouse*
- *Test flights were conducted using Intellydrive technology. This technology, a combination of intelligence and local automated driving, remote-control vehicles and automated vehicle monitoring using convoy-style technology called platooning, affords cost and safety advantages over other automated driving options.*
- *UMILES Next and TECNALIA have now gone one step further in their partnership to innovate the mobility of the future, after developing the air taxi Concept Integrity*

**Toulouse, 30 May 2023.** UMILES Next and the applied research and technology R&D centre TECNALIA have launched their Intellydrive technology on various different vehicles. The presentation showcased the capabilities of Intellydrive technology in areas like remote operation and automated convoy driving (platooning) at the [Mobility Solutions Show](#), a new event for companies on urban and intercity mobility taking place in Toulouse today and tomorrow. The goal is to develop technologies for the mobility of the future, which will help to create a safe, efficient, smart, sustainable sector.

In the field of Ground Mobility, this technology is based on Intellydrive, which combines remote driving technologies with automated driving solutions, allowing drivers to use a control centre to operate vehicles remotely with no limitations on distance.

Intellydrive also features technology allowing for automated convoy driving, also known as platooning. This technology allows two or more vehicles to drive together, in convoy, unassisted. The lead vehicle is controlled either locally or remotely, and the vehicles behind it follow automatically, requiring no human intervention.

Using these technologies, UMILES Next and TECNALIA create efficient, electric vehicles which are operated remotely using the latest natural interaction and communication technology, designed for various operations and areas of activity: transporting people and cargo at ports, airport transport, commercial and industrial areas, on-demand taxi services, tourism and sightseeing tours, industrial logistics, last mile deliveries and deliveries in defined areas, among other solutions.

Thanks to integrated smart technology and on-board advanced environment perception

systems, these vehicles offer semi-autonomous driving capacity and can be upgraded to fully autonomous functioning when the regulations and legislation allow it.

In Air Mobility, UMILES Next has launched successful flights of the eVTOL “Concept Integrity” in various European destinations – Jaén, Lugo and Toulouse – powered by its patented FlyFree technology. This milestone was achieved as part of the USPACE4UAM project, a European consortium aimed at helping to support the safe integration of mixed operations comprising both manned and unmanned vehicles. By running large-scale urban air mobility test flights, this initiative is intended to validate urban air traffic management with unmanned aircraft.

### **About UMILES Next**

**UMILES Next** is a benchmark for advanced, efficient and sustainable ground and air mobility solutions. A pioneer in delivering innovative capabilities to address passenger and freight transport safely and sustainably by harnessing the synergies of its proprietary technology. UMILES Next, in partnership with its main tech provider Tecnia, is committed to spearheading air and ground mobility and competing on the global stage backed by disruptive technology and capital.

### **About TECNALIA**

**TECNALIA** is the largest applied research and technology development centre in Spain, a European benchmark and a member of the Basque Research and Technology Alliance. Thanks to a team of professionals who are passionate about technology and committed to building a better society, Tecnia works with companies and institutions to enhance competitiveness, improve people's quality of life and support sustainable growth. Its key areas of activity are the digital transformation, smart manufacturing, energy transition, sustainable mobility, urban ecosystem and personalised health.

### **FOR FURTHER INFORMATION:**

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