



Mobility

Tecnalia's FLYFREE technology: Sustainable Urban Air Mobility



FLYFREE technology: An innovative **multirotor aircraft architecture** aimed at a passenger transport service or air taxi to move around cities autonomously



RTO – Industry collaboration: Born from the collaboration between Tecnalia and Crisalion Mobility (former UMILES Next), this groundbreaking air taxi concept, **initially designed and patented by Tecnalia**, is now the proprietary technology that **has positioned Crisalion Mobility as a pioneer in the field of electric air mobility**



Towards new mobility models: **Urban air mobility addresses urban congestion and pollution by expanding transport into the vertical dimension.** The air taxi market is projected to reach €32 billion by 2035 and \$90 billion annually by 2050, revolutionizing urban transport



Flyfree is a technology for electric VTOL urban air taxis based on an over actuated multicopter innovative architecture. It represents Spain's first air taxi and one of the pioneers in Europe

The key innovation lies in *its architecture, which allows the cabin to maintain its own orientation independently of speed, a clear advantage over conventional drones and current air taxi applications. This feature improves the flight experience, offering a sensation similar to a car or a bus. From the dynamic point of view CRISALION Mobility recently received an investment of more than €15M*

tecnalia

MEMBER OF BASQUE RESEARCH
& TECHNOLOGY ALLIANCE

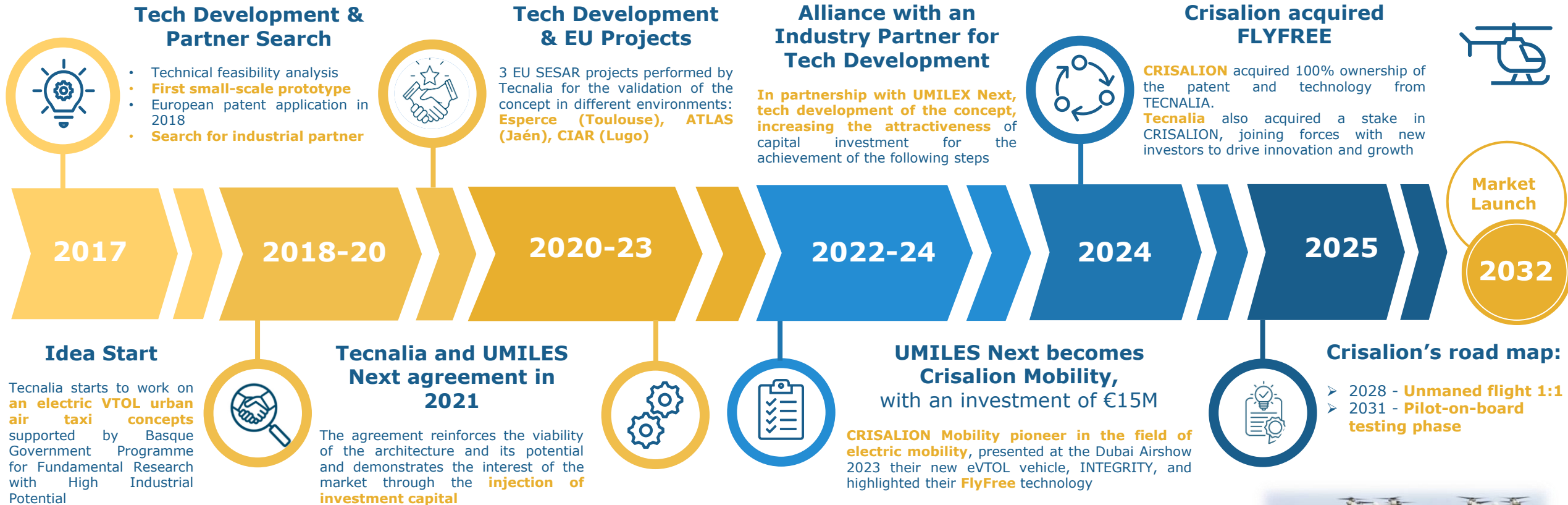
An RTO – Industry
Collaboration

FLYFREE
The technology for
the next generation
of urban mobility



CRISALION
MOBILITY

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Urban air mobility constitutes a new mobility model by expanding the possibility of transport in the third vertical dimension of space. It is based on the concept of mobility through environmentally sustainable propulsion methods and applying the advances made in the transport sector in terms of autonomous driving and flight that forms one of the pillars of innovation in the field of sustainable mobility

