

Di-PEGASUS

Digital com**P**Etitive next **G**eneration **A**viation technologies for **SU**stainable
business models, products and services

INTRODUCING Di-PEGASUS


Innovative air mobility is rapidly evolving with new technologies such as drones, Vertical Take-Off and Landing (VTOL) aircraft, and seaplanes.

However, these innovations raise critical concerns regarding **social acceptance, safety** and **environmental sustainability**.

Di-PEGASUS, a EU-funded project dedicated to revolutionizing Air Mobility and services with an innovative ecosystem that integrates advanced technologies, **is here to address these challenges!**



OUR OBJECTIVES

1  To develop **digital technologies** that enable fully autonomous cost-effective and environmentally friendly **aircraft operations** in low altitude airspace.

2  To develop a **tool** that can be used for **impact and cost-benefit analysis** of future innovative technologies starting from the early development phases.

3  To develop **business models** that, by leveraging on the innovative technologies developed by Di-Pegasus, can unlock their full potential.

OUR APPROACH

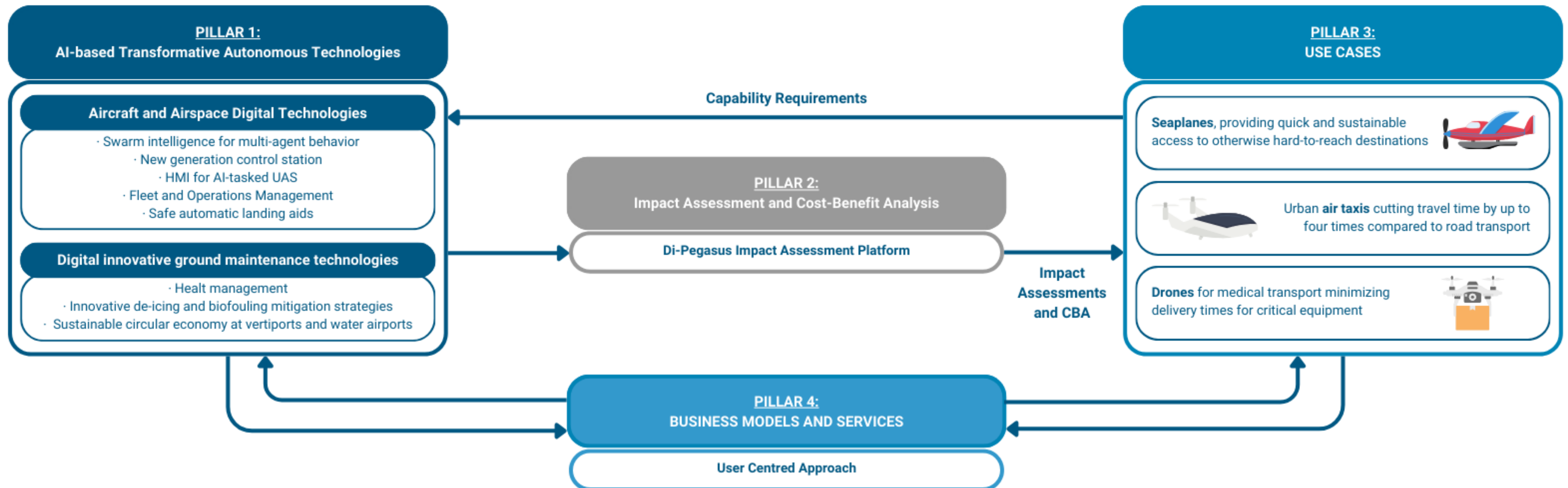
Di-PEGASUS project adopts an innovative approach to develop safe, scalable, and sustainable technologies, ensuring seamless integration into the urban air mobility ecosystem.



OUR PILLARS

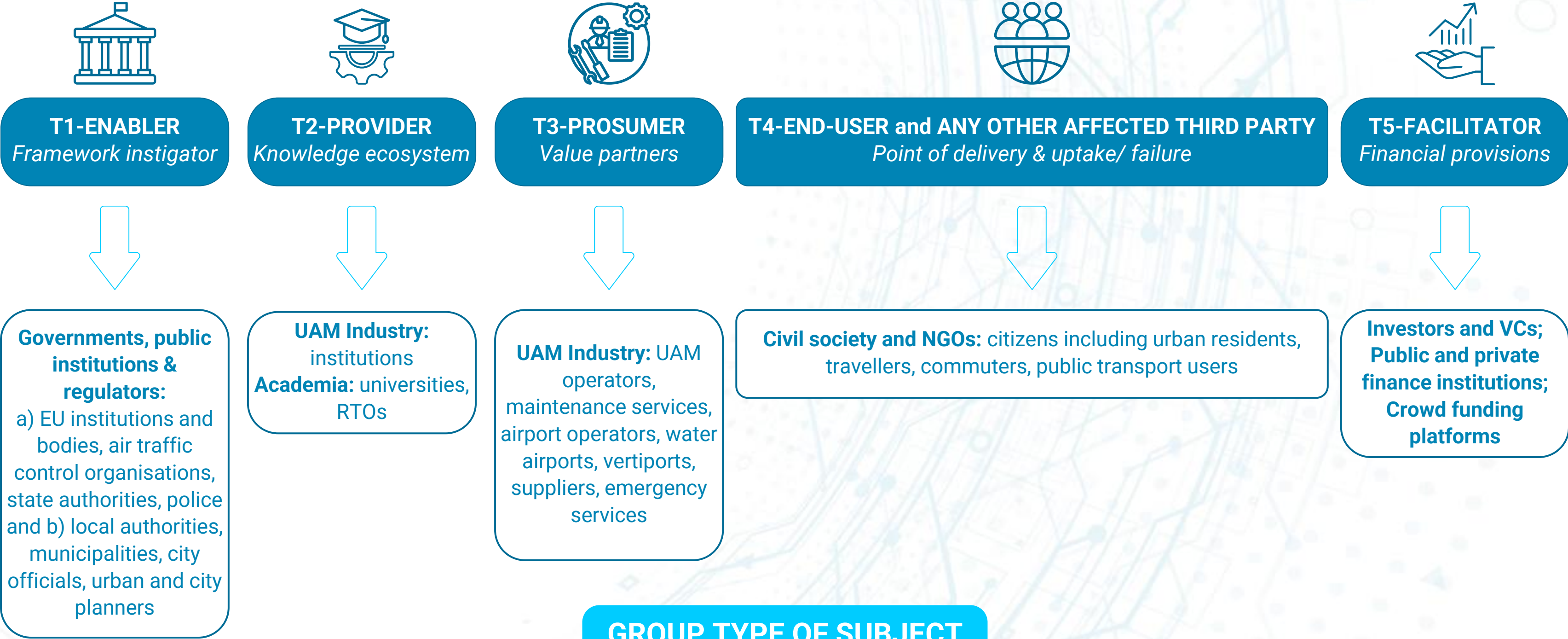
Due to the high level of innovation and thus low TRLs of the solutions, **use cases** cannot be implemented as full scale demonstrations. Instead, they will be implemented by involving relevant stakeholders since the early phases of the development in co-design and evaluation activities through focus groups and surveys.

This approach will ensure that **business models** are developed with a **user centred approach** to guarantee a successful scale up and exploitation of the technologies.



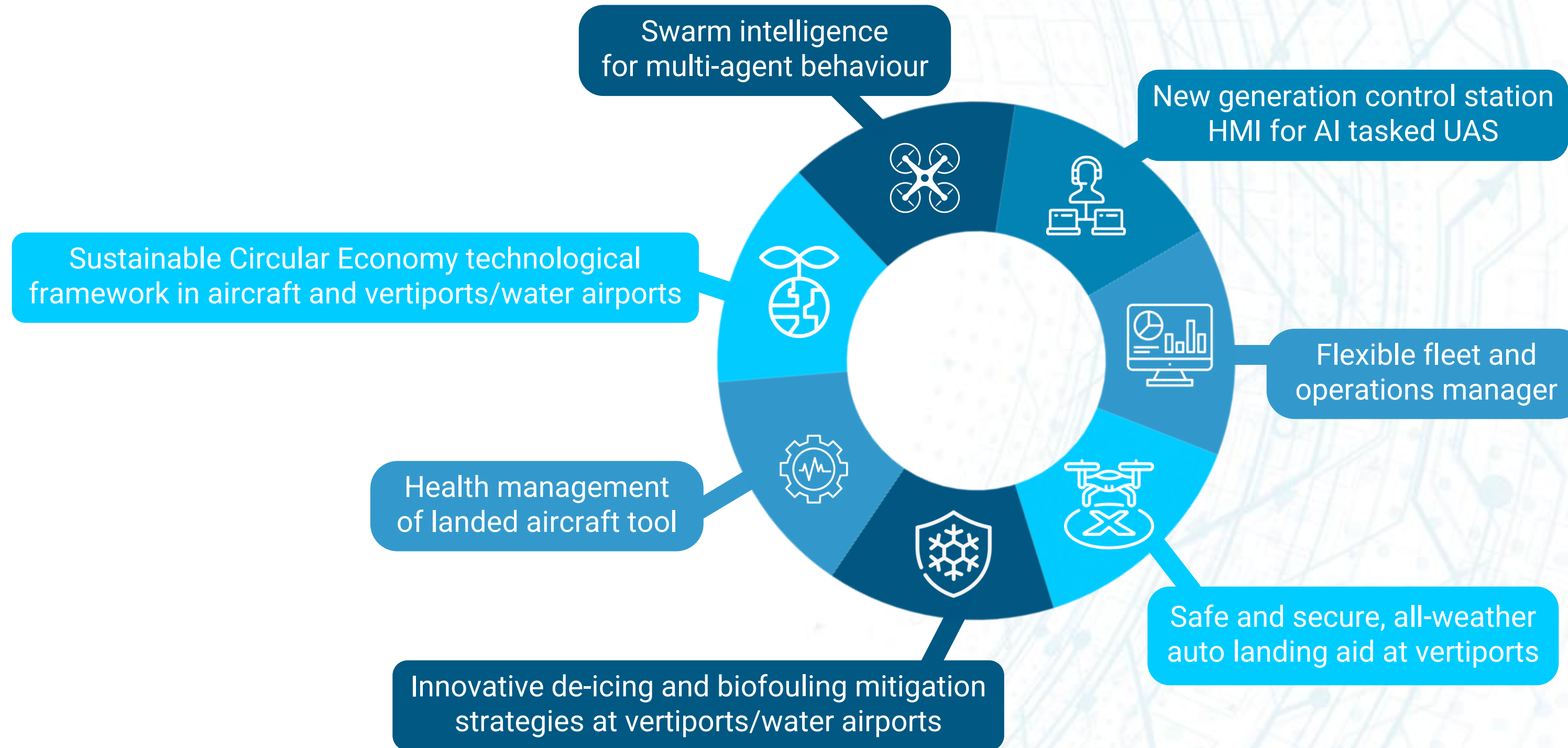
OUR TARGETS

STAKEHOLDER TARGET



GROUP TYPE OF SUBJECT

OUR TECHNOLOGIES



OUR USE CASES



GREECE



Environmentally sustainable transport solutions at water airports in Ionian Islands

Seaplanes offer sustainable air travel with minimal infrastructure needs, but Greek networks face challenges such as complex environments, extreme weather, and high costs. The Greek Use Case aims to optimize routes, scheduling, and operations to overcome these issues and meet local demands.



FRANCE



Paris Region Advanced Air Mobility (AAM) Alliance

The French pilot, part of the “Paris Region AAM” initiative, will contribute to the creation of an ecosystem around the eVTOL sector to support the development and implementation of advanced air mobility Solutions.



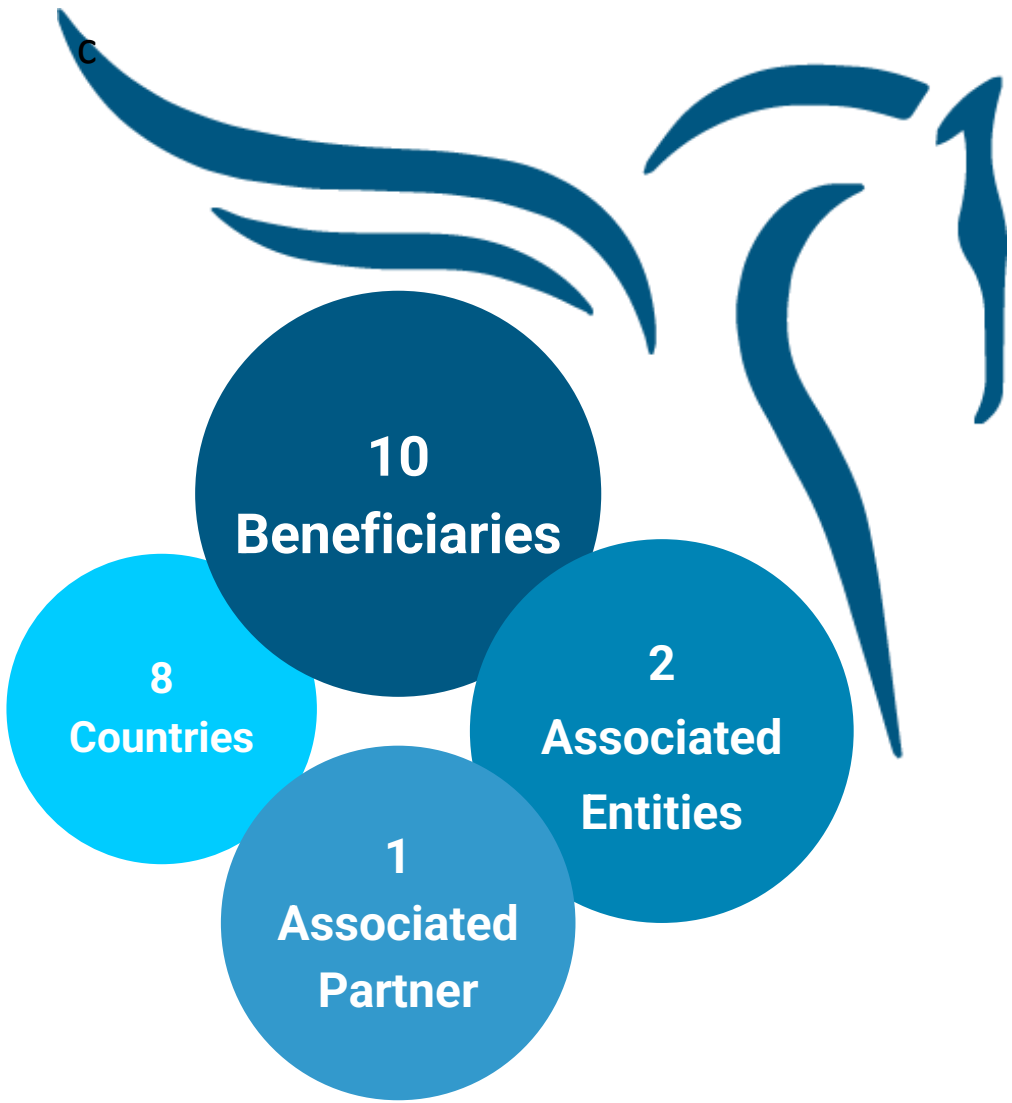
ITALY



Delivery of goods through drones and swarms

The Italian case in Emilia-Romagna enhances e-commerce logistics with autonomous drone fleets, boosting efficiency and speed of urban goods delivery, especially for urgent items like medical supplies.

OUR CONSORTIUM





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