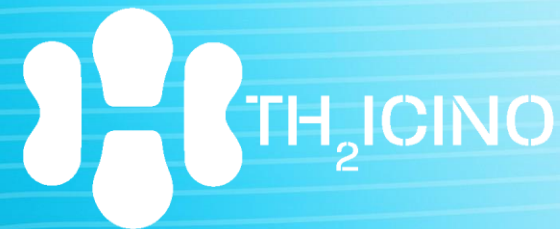


TH2ICINO

Introduction for Offtakers



**Towards H₂hydrogen
Integrated Economies**

TH2ICINO – Clean Hydrogen Partnership

(Towards *H2*ydrogen *I*ntegrated *e*conomies *I*n *N*orthern Italy)

General information

Duration:	4 years (from Sept. 2023 to Sept. 2027)
EU granted budget:	7.4 M€
Total investment:	18.5 M€
Coordinator:	RINA
Partners:	9 partners from 4 countries



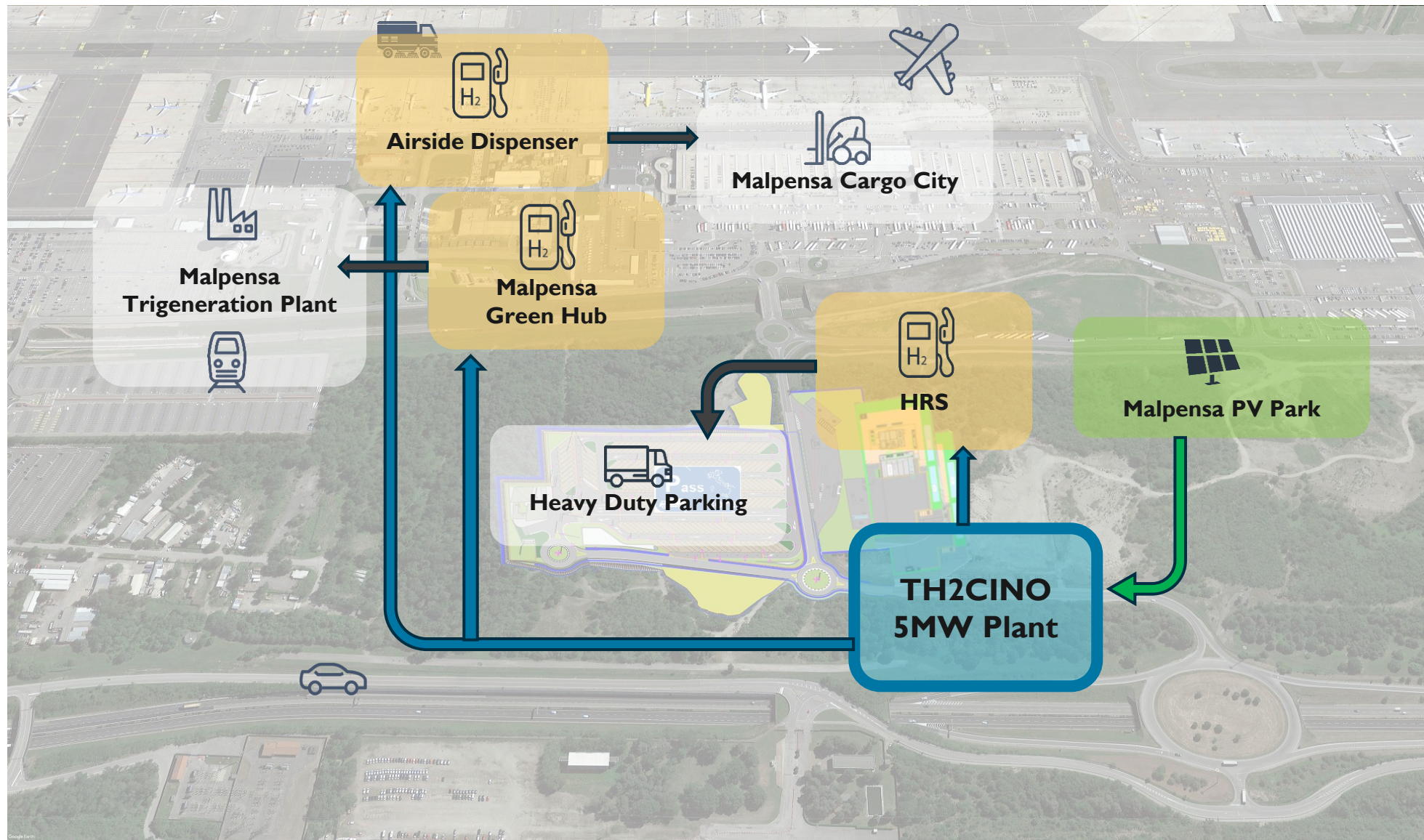
Scope of work

TH2ICINO aims to develop an **Airport-centered Hydrogen Valley at Malpensa**, integrating a **5MW PEM electrolyzer** for hydrogen production and distribution via truck.

The project focuses on **Hydrogen utilization in different sectors such as industry and ground mobility in airport context**, developing also a **Master Planning Tool (MPT)** to financially derisk hydrogen projects and support **expansion and replication across Italy and the EU**.



TH2ICINO – Ecosystem



TH2ICINO – Objectives



4400 tCO₂/y

*Equivalent to tons of
CO₂ per year from
1500 cars*

DECARBONIZATION



500 tH₂/y

Boosting the H₂ market

**HYDROGEN
PRODUCTION**



**> 2 sectors
decarbonized**

*Mobility and Hard to
abate sectors*

DIVERSIFICATION



Airports

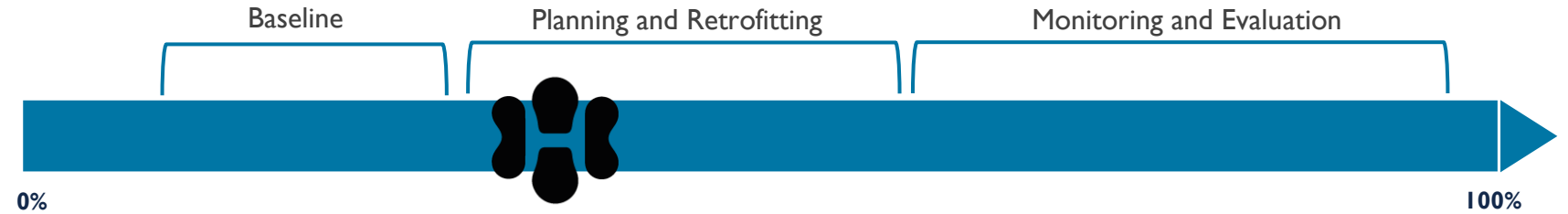
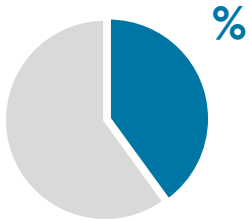
*Strategic sector coupling
for EU Green Airports
2030 strategy.*

TRAINING

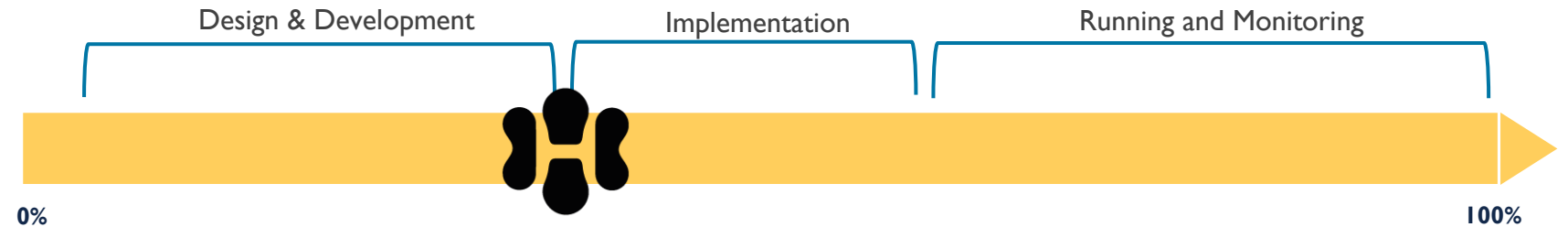
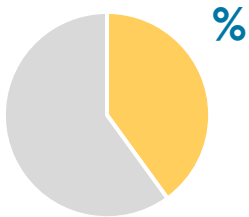


TH2ICINO – Project timeline

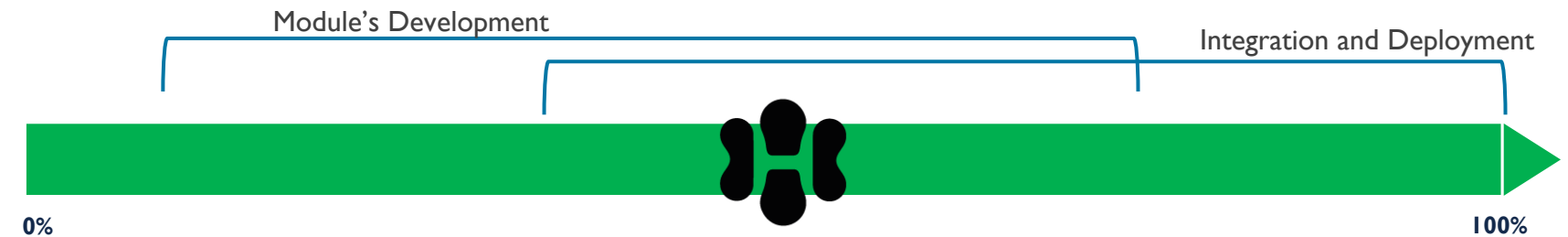
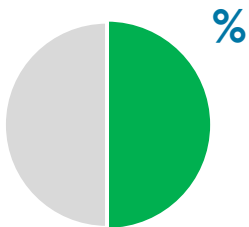
Airport Ground Support Equipment (GSE)





Hydrogen Ecosystem



Master Planning Tool



TH2ICINO – Current status and next steps

	Airport GSE	Hydrogen Ecosystem	MPT
Current status	 <ul style="list-style-type: none">• Ongoing feasibility analysis• Open discussions with retrofitters and GSE suppliers	<ul style="list-style-type: none">• Increasing offtakers engagement• Masterplan modification procedure and permitting activities	<ul style="list-style-type: none">• Core modules modeling and optimization
Next steps	 <ul style="list-style-type: none">• Begin the retrofitting activities	<ul style="list-style-type: none">• Expand Off-taker commitment• Conclude Masterplan modification and permitting	<ul style="list-style-type: none">• Integration in the model and validation of TH2ICINO input





GRAZIE!

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