



HYDROGEN (H₂)

VANGUARD INITIATIVE

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#1 DEMO-CASE: Standardisation of Hydrogen pipelines and vessels in Hydrocomp

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Standardisation of Hydrogen pipelines and vessels in Hydrocomp



Develop Hydrogen Technologies
To create and use new hydrogen solutions in Małopolska.



Support Green Energy
To help lower CO₂ emissions and protect the environment.



Follow EU Plans
To match European goals for clean and renewable energy.



Bring People Together
To connect businesses, scientists, and local governments for better teamwork.

#1 DEMO-CASE:

Standardisation of Hydrogen pipelines and vessels in Hydrocomp



In order to develop hydrogen technologies we need to base it on facts, therefore developed:

- Małopolska Hydrogen road map 2023
- **Plan for the development of hydrogen technologies in Małopolska until 2030.**
(building international projects and participation in international networks are one of the elements of the strategy)
- Hydrogen road map for hydrogen transportation and storage in Malopolska

Source of funding: regional budget of Malopolska

Collaboration with external expert

- Development of four demo cases
- Improve Pilot efficiency
- EU projects opportunities
- Mentoring, analysing, mapping and reporting



Dr. Pierre Padilla

Collaboration with external expert - what has been achieved



October 2023 to June 2024:

- ✓ **Reviewed the literature to identify key issues:** storage, fuelling systems, matching offer and demand of H2, and cost of green H2
- ✓ **Mapping - Identification of champions & other participants:** 11 scoping templates received + 3 mapping templates with 33 projects
- ✓ **Meetings:** 9 Steering Committee meetings (including Krakow) & meetings with potentials partners

to the project to explain the project

- ✓ **Match meeting event in Rimini:** Preparation and animation. 13 presentations by companies: 7 for Carbon Intensive Industries & 6 for Maritime Transportation. Large attendance
- ✓ **Consortium meeting:** 1st consortium meeting on 29 April
- ✓ **Scoping notes:** 11 filed templates received for

designing the project concept

- ✓ **Project Concept:** develop 1 single i3 concept to all

Include partners



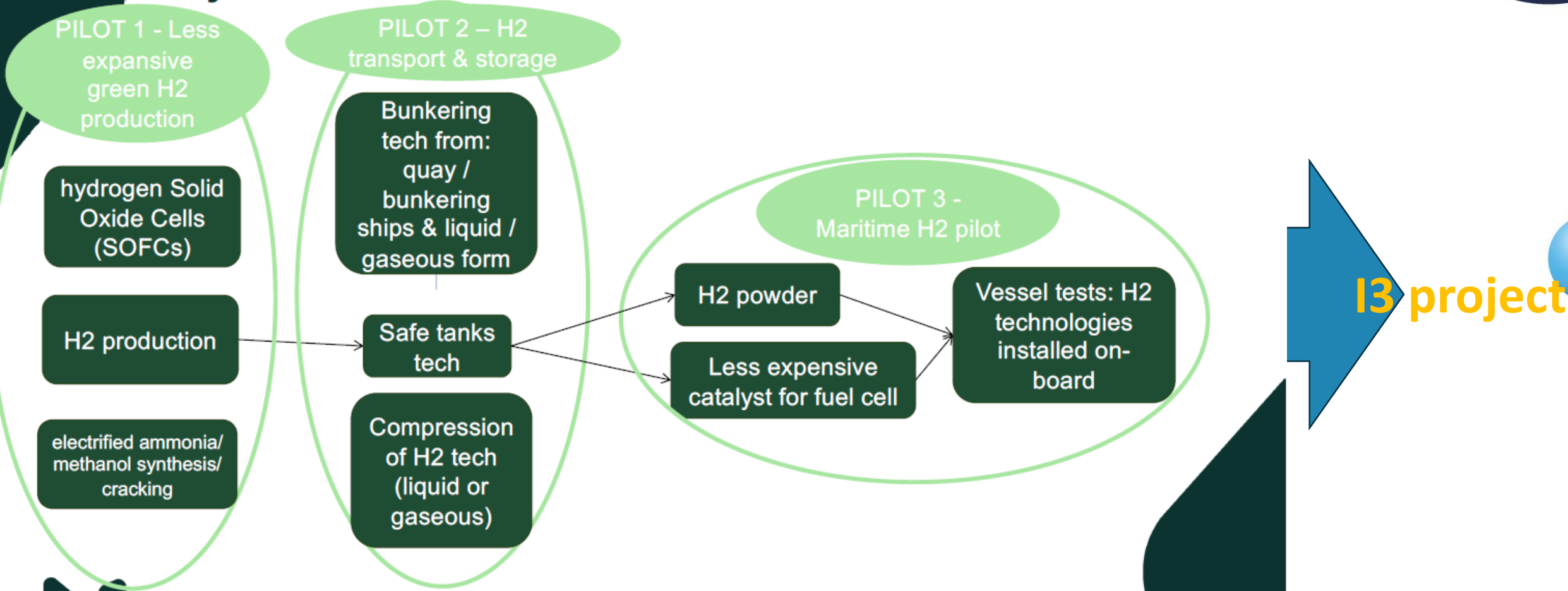
Name	Company/Entity	Region	email						
Kristin Zuric, Pierluigi Busetto	Navalprogetti	FVG	kristin.zuric@navalprogetti.net, pierluigi.busetto@navalprogetti.net				X		X + update
Stefano Dossi	ReActive Powder	Lombardy	stefano.dossi@reactivepowder.com		X		X		X + update
Mario Urbanija	AVTEH	SL	mario.urbanija@avteh.si						X
Andrzej Coujak	MCHZ	PL	a.coujak@mchz.pl						-
Andrzej Coujak	Polish Cluster of Composite	Małopolska	andrzei.coujak@kompozyty.net				X		-
Blaž Likostar	NIC	SL	blaz.likostar@nic.si						X, 30/04/2024
Michele Capobianco	Cenergy	FVG	michele.capobianco@cenergy.it		X		X		X + picture
Mario La Valle	M.E.S	FVG	la.valle@mes.it		X		X		X + picture
Sirocco Gorbacz	AMARCO	PL	sirocco.gorbacz@amarco.pl				X		X + Update
Rosa Ardin	Walter Tostoli & Seapack	FVG	rosardin@waltertostoli.it				X		X + update Seapack
Riccardo Roggeri, Clara Bernasco	Technova / Acca Industrie	Lombardy	h.ardini@technova.it, riccardo.roggeri@gmail.com, cla.bernasco@acca-industria.com	X			X		???
Giordano Gozi	Reah	Emilia Romagna	giordano@reahgroup.it		X		X		X, 10 May
cc Roberta Padovan	MARE PHV	FVG	roberta.padovan@marephv.it		X		X		-
Marija Gatalo	ReCatalyst	SL	marija.gatalo@recatalyst.it						X
Blaž Močan	Pipistrel Vertical Solutions	SL	blaz.mocan@pipistrel-aircraft.com, timo.tomatis@pipistrel-aircraft.com						???
Magdalena Maciejewska-Gębska			magdalena.maciejewska-grebska@ummm.malopolska.pl						X
Federico del Mondo	University of Trieste	IT	FEDERICO.DELMONDO@dia.uniba.it						X
Fabrizio Guarrasi	LEDC								X
Stefano Valentini	ART-ER		stefano.valentini@art-er.it						X
									TOTAL = 15
									TOTAL = 11



Collaboration with external expert - what has been achieved



Project architecture



I3 project

Thank you for your attention