



ROAD trailer design - Use of Type V thermoplastic tubes with light composite structure for Hydrogen transport

# D28 D7.2 Project Website

<b>Written by:</b> Philippe Papin	<b>Approved by:</b> Camille Chalvin
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## Reviewers

<i>Organisation</i>	<i>Name</i>
<b>Envitest</b>	<b>Julian Franczak</b>

<b>Work Package</b>	7	<b>Due</b>	M3
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# I. Abstract

This report describes the design of the ROAD TRHYP website design.

The functionalities of the website and the tabs are displayed presented.

The website is online at the following address : <https://www.road-trhyp.eu>

## II. Website presentation

### A. Introduction

The purpose of WP7 is to deal with the Dissemination Exploitation and communication actions planned during the project, track the completion of the actions and manage their results.

To contribute to fulfil the goal of WP7, we set-up a website to :

- Communicate about the project for external audience
- Disseminate public information to the industry community and especially the one dealing with gas storage, Hydrogen transportation (trailers, ...), raw material suppliers, composite industry, technical centre, ...

The success of this work depends partly on the consortium to supply with key information. For instance, photos, press release, main progress, ... will be displayed on the website. It will actively promote the results of the project to a very diverse range of target groups.

This website is a useful tool to disseminate the results of ROAD TRHYP. It will be updated all along the project.

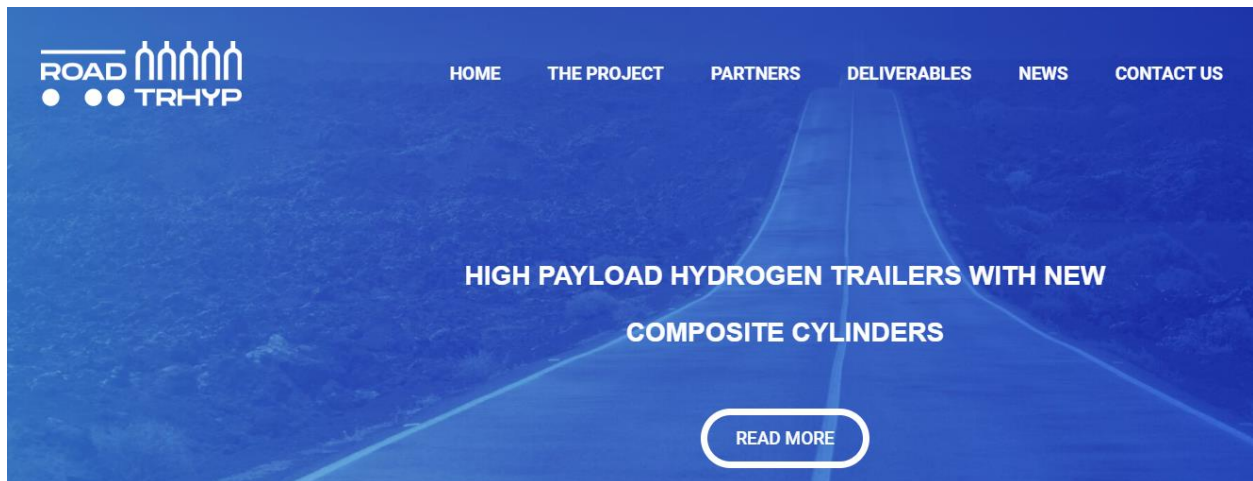
**This deliverable therefore aims to present the website, namely its graphic design as well as its architecture.**

This deliverable is part of a series of deliverables for work package 7 :

- D7.1: Communication and dissemination tools (AL, PU, R, M3)
- D7.2: Project Website (AL, PU, R, M3)
- D7.3: Plan for dissemination and exploitation, including communication activities – 2023 version (AL, SEN, R, M3)
- D7.4: Plan for dissemination and exploitation, including communication activities – 2024 version (AL, SEN, R, M15)
- D7.5: Plan for dissemination and exploitation, including communication activities – 2025 version (AL, SEN, R, M27)

## B.Website

### a. Heading & Footer



The heading is displayed on each page of the website. Different tabs can be selected by a visitor to get information on the project especially about the partnership, the public deliverables and the news.

Any visitor can contact the consortium through “contact us” tab.

It also shows the ROAD TRHYP logo that will be present on each document, communication, ... related to the project.



The footer displays the logo of the Clean Hydrogen – Joint Undertaking logo and states that it is funded by the European Union.

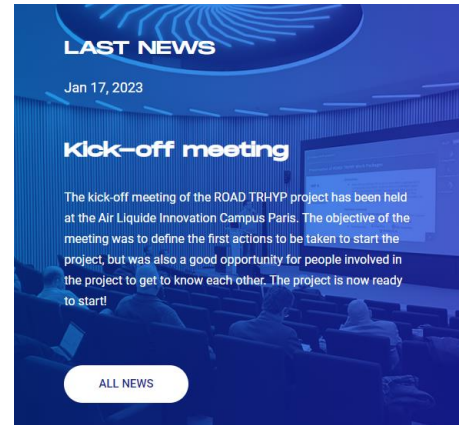
### b. Home page

That page describes the purpose of the project with the possibility to “Read more”. Also, on the right, the visitor can quickly have access to the latest news / all news.

## ABOUT THE PROJECT

Hydrogen plays a key role in the decarbonization of industry and mobility. It must be efficiently distributed in large amounts. ROAD TRHYP, a collaborative project funded by the Horizon Europe programme, will boost the development of new high capacity hydrogen trailers.

[READ MORE](#)



The home page shows using pictures the main objectives of the project from 3 points of view :

- Composite cylinder
- Trailer
- Environment



There is the possibility to get more information on selecting "Read more".

A broad description of the project is then accessible.

On the bottom, a roller strip displays the logos of all partners :



## c. Project page

The Project tab presents in more detail the project, its origin, the objectives to meet as well as the ambition for Europe’s value chain of Type V technologies.


**THE PROJECT**

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Nowadays, existing hydrogen transportation solutions use tubes with a working pressure between 200 and 300 bar. This is not efficient in terms of quantities or cost to address large refueling stations knowing the upcoming ramp-up of fuel cell-based vehicles.

The overall objective of the ROAD TRHYP project is to develop and validate a trailer integrating new thermoplastic composite tubes (Type V) to maximise the quantity of H2 transported while satisfying end-user requirements (safety, ability to be decontaminated) and enforced regulations with a low cost. By the end of the project, the consortium will design a trailer capable of handling a payload of 1.5 tonne of H2 with 700 bar tubes and a capex lower than 400 €/kg. This enables the decrease of the number of transport rotations between the site of production and the delivery site, consequently the reduction of the environmental footprint of transporting compressed hydrogen, but also a downsizing of the compressor at the hydrogen refueling station. In the meantime, the project will heavily investigate new fire testing methodologies and safety barriers for Type V adoption.

ROAD TRHYP’s overall ambition is to develop Europe’s value chain of Type V technologies. More specifically, the project intends to address all manufacturers across Europe who could benefit from the project’s innovative process and materials. Beyond the targeted commercial Type V trailers applications, the knowledge developed on composite materials could benefit main actors in the mobility sectors or the hydrogen storage for inter-seasonal energy storage. As a consequence, the project will help achieve the European Green Deal making hydrogen a widespread energy carrier, by 2030.



## d. Partners

The partner page displays the logo of all partners. By selecting one, you access another page where there is a presentation of the company and its role in the project.



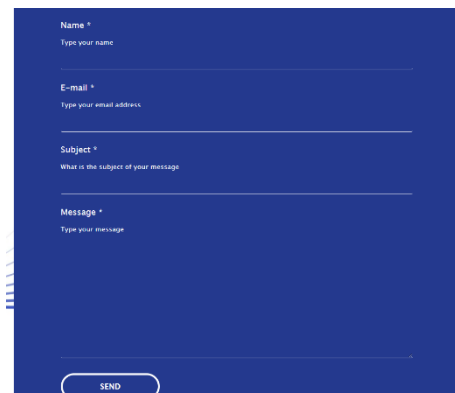
## e. Deliverables

That page will be updated with all public deliverables.

## f. News

It is a page where key project information will be presented. It can be, for instance:

- Kick-off meeting
- Participation to events being part of the Communication / Dissemination
- First results such as burst, cycling, ...
- Photos
- ...



## g. News

Anybody interested in the project can use that page to get in touch with the consortium and ask relevant questions.

The visitors will be recorded and invited to the Dissemination Workshop at the end of the project.

That page is also a source a potential “customer” to the solutions developed within the project. It is a tool amongst other to enhance the Exploitation activities.

## III. Conclusion

The ROAD TRHYP website deliverable presents the key tabs that visitors can use to learn more about our project and interact with the consortium.

Each partner can feed the website with any communication support promoting the work and achievements during the project.

Its main objective is to contribute to present and spread broadly the results of the work and progress done on GH<sub>2</sub> composite trailers and therefore to increase the chances to disseminate the technology developed within the project.