



CLEAN HEAT AND POWER FROM HYDROGEN

Grant agreement no.: 101137799

Start date: 01.01.2024 – **Duration:** 48 months.

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DELIVERABLE REPORT

D6.1: PROJECT WEBSITE		
Due Date	30th April 2024	
Author (s)	N. Cros - PXO	
Workpackage	WP6	
Workpackage Leader	PXO	
Lead Beneficiary	PXO	
Date released by WP leader	29 th April 2024	
Date released by Coordinator		
DISSEMINATION LEVEL		
PU	<i>Public</i>	X
SEN	<i>Sensitive, limited under the conditions of the Grant Agreement.</i>	
NATURE OF THE DELIVERABLE		
R	<i>Document, report.</i>	
DEM	<i>Prototype demonstrator</i>	
DEC	<i>Website</i>	X
DMP	<i>Data management plan</i>	
OTHER	<i>Software, algorithms, models</i>	

SUMMARY	
Keywords	<i>Website</i>
Abstract	<p><i>The website for the CLEANER project serves as a central hub to support the project's communication and dissemination goals, benefiting the scientific community as well as the general public. The website features a range of important content, including:</i></p> <ul style="list-style-type: none"> <i>• A clear outline of the project's overarching aims, detailed descriptions of partners involved, and information on the various work packages.</i> <i>• An overview of the project's dissemination efforts such as publications, presentations at conferences, and community engagement initiatives.</i> <i>• Regularly updated news reflecting the latest developments within the project.</i> <i>• Access to the project's outcomes and deliverables.</i> <i>• Essential contact details for the project.</i> <p><i>To ensure the website remains a dynamic and valuable resource, all partner organizations are committed to contributing timely and accurate information to further the project's dissemination objectives.</i></p>
Public abstract for confidential deliverables	<i>As above</i>

REVISIONS			
Version	Date	Changed by	Comments
0.1	29 April 2024	N. Cros - PXO	1 st draft
0.2			

The CLEANER project is supported by the Clean Hydrogen Partnership and its members. The project is co-funded by the Research Council of Norway and the UK Research and Innovation (UKRI) under the UK government's Horizon Europe funding guarantee.

Co-funded by the European Union. Views and opinions expressed are however those of the author(s) only and do not necessarily reflect those of the European Union or Clean Hydrogen JU. Neither the European Union nor the granting authority can be held responsible for them.

D6.1 - PROJECT WEBSITE

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1 INTRODUCTION

This report describes the implementation of the official website for the CLEANER project, an initiative supported by the Clean Hydrogen Partnership. The website can be accessed at the following address: www.cleaner-h2project.eu.

As part of Work Package 6, dedicated to "Communication and dissemination of project results", this report - identified as Deliverable 6.1 - is the second deliverable of this workpackage. WP6 is strategically focused on maximising the visibility of the project, improving the awareness of key stakeholders and accelerating the uptake of research results. More specifically, deliverable 6.1 falls under subtask 6.3, entitled "Communication activities". This subtask focuses on engaging with the scientific community but also with the general public through various media tools. The website is a crucial tool for achieving the ambitious objectives of this subtask.

2 SCOPE

The CLEANER project's website will act as a gateway for public access to a breadth of information regarding the project, such as its aims, collaborators, outputs, and outreach efforts. It aims to be an indispensable tool for both the scientific community and the general public, enhancing the project's visibility and keeping stakeholders informed about the latest advancements.

Tailored to be user-friendly for laypersons yet informative for researchers, the website will host all the project's non-confidential outputs. Meanwhile, a synthesized overview will be provided for private deliverables, ensuring transparency and broad dissemination of the project's advancements.

3 HOSTING & STRUCTURE

3.1 Hosting

The CLEANER website is online from 30th April 2024. This website is hosted on a dedicated server. The server, property of PXO, is hosted on a SSD Virtual Private Servers (Host: OVH), - OpenStack KVM, 2 vCore(s), From 2 GHz, 8 GB RAM, 80 GB SSD, Local RAID, Bandwidth 100Mbps - Unlimited traffic, Anti-DDoS Protection. It runs under Linux : CentOS 7, PHP 7.3 and Apache 2.4.41.

A weekly server backup is scheduled, and each time an update is implemented.

3.2 Structure

a. *Permanent information*

Home: General information on the project - The Home page offers a comprehensive summary of the project's key details, crafted to be accessible to those without specialist knowledge. It includes the project's aims, a list of the project partners, and acknowledgement to the Joint Undertaking.

CLEANER - CLEAN HEAT AND POWER FROM HYDROGEN

Achieving the European Green Deal target of becoming the world's first climate-neutral continent by 2050 will require deep cuts to emissions across all aspects of the economy, including the power generation and heating sector. This, combined with the REPowerEU plans, places hydrogen as a clean energy carrier in a unique position. It can be used in, and thereby couple, all sectors like; power&heat, transport and industry. Hydrogen offers long term storage, it can be transported over large distances and it can be produced and used without, or with very low emissions. A central part of the EU climate strategies is the target of domestic renewable hydrogen production of 10 million tons by 2030, in addition to the same amount imported. Large-scale stationary fuel cells in the MW-range should be able to operate on such industrial quality H₂ without repurification. They can offer a low-cost clean alternative for both large scale (peak) power and heat production, as well as for small, medium and large-scale back-up power units for the critical infrastructure, thereby also improving the resilience of the energy system. The aim of **CLEANER** is to develop and demonstrate for more than 5000 hours a >100 kW PEM fuel cell system operating on industrial quality hydrogen.

Figure 1: Screenshot of part of the project website HomePage

[About CLEANER: Project, partners & work packages presentation](#)

This navigation section offers in-depth insights into the project, including an explanation of its goals and a description of the methodology, detailing how the interconnected work packages will be executed.

Additional details on the participating partners, their expertise, and hyperlinks to each of their websites are also available here.

[Contact: Online form for information request](#)

This form is designed to get in touch with the project coordinator. This will contribute to facilitating links and possible networking within the scientific community, other European funded projects, and other organisations related to fuel cells.

[Activities: news, meetings, publications ...](#)

Updates will be regularly posted in this area, featuring notifications about forthcoming project gatherings, conferences, and publications, in addition to broadcasting significant findings from the project. Comprehensive information on the symposia project affiliates are participating in will be accessible, including web addresses and pertinent materials.

Research outputs generated from the project will be catalogued here, complete with summaries, and detailed citations, including direct links to the full text of the publications.

Deliverables

Immediately after the partners issue them, all the project's deliverables will be accessible on the project's website. The public ones can be obtained directly via a link to the PDF file. For the confidential ones, a publicly accessible summary will be provided.

4 CONCLUSIONS AND FUTURE WORK

The CLEANER project's website has been designed to serve the informational and outreach requirements of both the scientific community and the public.

All partners will actively participate in keeping this communication tool alive. They will provide up-to-date information, project highlights, job openings, announcements about related events, and all the project outputs like publications, conferences participation.