



HIGHLANDER
HIGH performing uLtra-durable membraNe electroDe assEmblies for tRucks

HIGH PERFORMING ULTRA-DURABLE MEMBRANE ELECTRODE ASSEMBLIES FOR TRUCKS

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DELIVERABLE REPORT

D7.1: PROJECT WEBSITE		
Due Date	31 March 2023	
Author (s)	N. CROS - PXO	
Workpackage	WP7	
Workpackage Leader	PXO	
Lead Beneficiary	PXO	
Date released by WP leader	30 March 2023	
Date released by Coordinator	31 March 2023	
DISSEMINATION LEVEL		
PU	Public	X
SEN	Sensitive, limited under the conditions of the Grant Agreement;	
NATURE OF THE DELIVERABLE		
R	Document, report	
DEM	Prototype demonstrator	
DEC	Website	X
DMP	Data management plan	
OTHER	Software, algorithms, models	

SUMMARY	
Keywords	<i>Communication, website</i>
Abstract	<p>The HIGHLANDER project website is designed to fulfil project communication and dissemination needs for the benefit of the whole scientific community and the public through relevant information including:</p> <ul style="list-style-type: none"> - Project overall objectives, partner & work packages information - Project dissemination activities: publications, conference presentations, outreach activities ... - Latest news - Project deliverables - Project contact information - Direct link to access the project shared workspace. <p>All the partners will collectively participate in the dissemination objective of the website by providing up-to-date information.</p>
Public abstract for confidential deliverables	As above

REVISIONS			
Version	Date	Changed by	Comments
0.1	30 March 2023	N. Cros	

D7.1: PROJECT WEBSITE

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1 INTRODUCTION

This deliverable report describes the implementation of the project website for the HIGHLANDER project funded by the Clean Hydrogen Partnership. This website is available at the following address:

www.highlander-fuelcell.eu

The deliverable 7.1 is the first deliverable from Work Package 7 - Communication, Dissemination and Exploitation of the project results. The main objectives of WP7 are to ensure the highest visibility of the project activities, promote awareness of specific target groups and to accelerate the implementation of the research findings. Deliverable 7.1 is specifically related to Subtask 7.3 – Communication activities, which aims to communicate to a non-specialist audience and the public using a range of media channels. The website will be one of several tools used to fulfil the objectives of this task.

2 SCOPE

The website will provide a public access to information about the HIGHLANDER project, including objectives, partners, deliverables, and dissemination activities. This will be a valuable resource for scientists and the public alike, helping to promote visibility and the interest in the project and providing users with up-to-date information on its progress.

The website is designed to be accessible to a non-specialist audience as well as provide information that is of interest to the scientific community. All public deliverables created in the project will be available on the website while confidential deliverables will be introduced through a public summary.

3 HOSTING & STRUCTURE

3.1 Hosting

The HIGHLANDER website is online from 30th March 2023. 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.

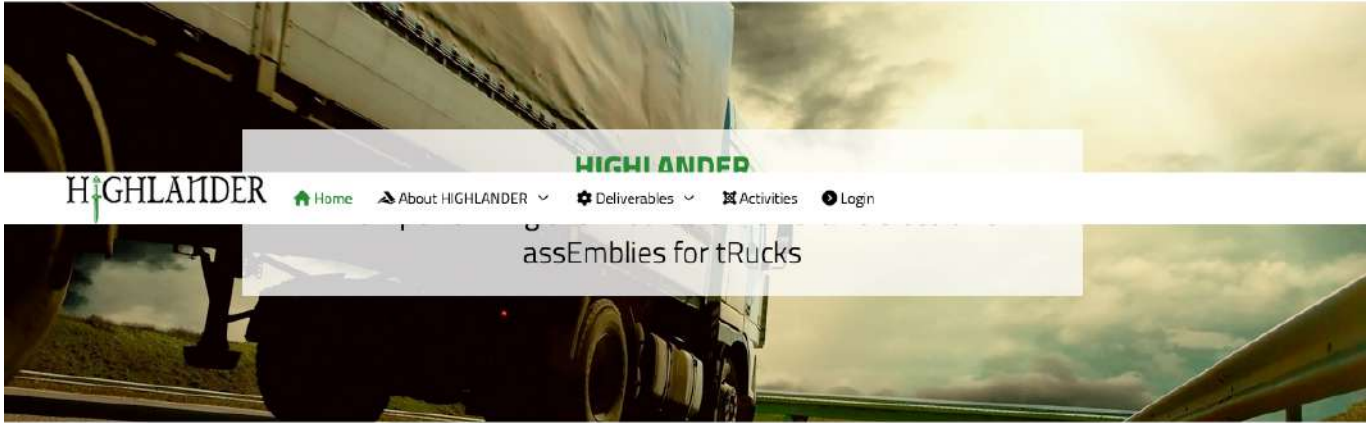
A weekly server backup is scheduled, and each time an update is implemented.

3.2 Structure

a. Permanent information

Home: General information on the project - This starting page provides an overview of the main information on a project that can be understood by non-specialists. The objective of the project is listed, as well as partner information, acknowledgement to the JU and project duration. One section is dedicated to the latest News.

contact@highlander-fuelcell.eu



PROJECT OBJECTIVE

The objective of HIGHLANDER is to develop membrane electrode assemblies (MEAs) for Heavy-Duty Vehicles (HDV) with disruptive, novel components, targeting stack cost and size, durability, and fuel efficiency.

The project will design, fabricate, and validate the HDV MEAs at cell and short stack level against heavy-duty relevant accelerated stress test and load profile test protocols. Materials screening efforts will be supported by the development and use of improved predictive degradation models bridging scales from reaction sites to cell level. HIGHLANDER aims to bring about a significant reduction in stack cost and fuel consumption through improvement of fuel cell performance and development of a new, lower cost single-layer gas diffusion layer. Its intention is to achieve the 1.2 W/cm² at 0.65 V performance target at 0.3 g Pt/kW or below and to meet a lifetime target of 20,000 hours.



Figure 1: Screenshot of part of the project website HomePage

About HIGHLANDER: Project, partners & work packages presentation

This menu gives access to more details on the project with a description of its objectives and of how the project will be carried out with the different work packages interconnections.

It also provides information on the partners, including their background and a link to each partner’s website.

Contact: Online form for information request

This form is designed to allow the public and the scientific community 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 ...

This section will be updated on a regular basis. It will include announcements of upcoming project meetings, events and publications as well as communicating top-level project results. It will provide full details on events that project partners are attending, with links to the event website, along with any relevant resources.

Publications arising from the research in the project will be listed as well as their abstract and links and details of the full publication will be given.

Deliverables

As soon as they are released by the partners, all deliverables created in the project will be available on the project website. Public ones will be downloadable through a direct link to the corresponding PDF file, while confidential deliverables will be introduced through a public summary.

Login: direct access to the Project Shared Workspace (D1.1)

4 CONCLUSIONS AND FUTURE WORK

The HIGHLANDER website was implemented to meet the project communication and dissemination needs for the benefit all scientific communities 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.