

**HORIZON EUROPE PROGRAMME**  
**TOPIC HORIZON-JTI-CLEANH2-2023-1**  
**GA No. 101137802**

# **ELECTROLIFE**

**Enhance knowledge on comprehensive electrolysers technologies  
degradation through modeling, testing and lifetime prevision,  
toward industrial implementation**



## **Deliverable report**

**D8.2 – Communication & Dissemination Plan including  
preliminary Exploitation strategy**

<b>Deliverable No.</b>	ELECTROLIFE D8.2	
<b>Related WP</b>	WP8	
<b>Deliverable Title</b>	Communication & Dissemination Plan including preliminary Exploitation strategy	
<b>Deliverable Date</b>	2024-06-30	
<b>Deliverable Type</b>	REPORT	
<b>Dissemination level</b>	Sensitive – members only (SEN)	
<b>Author(s)</b>	Anika Kiecana (UNR) Paolo Prevedello (EGP)	2024.05.21 2024.05.27
<b>Checked by</b>	Anna Molinari (UNR) Arjo Roersch van der Hoogte (UNR)	2024.05.22
<b>Reviewed by (if applicable)</b>	Jan Gustav Grolig (STARGATE) Alessandro Mariani (AEA)	11.06.2024 14.06.2024
<b>Approved by</b>	Alessandro Hugo Monteverde Videla (POLITO)	21.06.2024
<b>Status</b>	Final	21.06.2024

## Document History

<b>Version</b>	<b>Date</b>	<b>Editing done by</b>	<b>Remarks</b>
<b>V01</b>	2024-05-22	Anika Kiecana	
<b>V02</b>	2024-05-27	Paolo Prevedello	
<b>V03</b>	2024-06-11	Alessandro Hugo Monteverde Videla	
<b>V04</b>	2024-06-12	Jan Gustav Grolig	
<b>V05</b>	2024-06-14	Alessandro Hugo Monteverde Videla	final

## Public Summary

The ELECTROLIFE project aims to boost the use of green hydrogen technologies in order to support decarbonization of European global industry. Currently, electrolysis technologies suffer from limitations in terms of cost, efficiency, stability, scalability, and recyclability. ELECTROLIFE aims to increase the efficiency performance of electrolyzers by reducing the use of critical raw materials (CRMs) and extending the useful life of these systems. These goals will be achieved through test campaigns to identify multiple degradation mechanisms on multiple scales, multiphysics simulations with superimposed degradation mechanisms, prototyping of cells and stack components, and construction of dedicated test benches.

Deliverable 8.2 titled *“Communication & Dissemination Plan including preliminary Exploitation strategy”* outlines the planned strategy and necessary actions for communication, dissemination and exploitation (DEC) activities. The primary objective of DEC activities is to maximize the impact of the project results by efficient communication of the project results and sharing knowledge with target audiences. These activities aim to raise awareness about the project, sufficiently inform stakeholders and potential end-users about the developments of ELECTROLIFE, and facilitate the market uptake of innovative solutions while promoting the advancement of electrolysis technologies. During the first year of the project, the focus will be on creating awareness through various communication activities such as press releases, social media, and newsletters. The second and third year will focus on dissemination through conferences, workshops, and scientific publications. Exploitation activities will commence in the fourth and fifth year of ELECTROLIFE and will continue beyond the project’s completion.

# 1 Acknowledgement

The author(s) would like to thank the partners in the project for their valuable comments on previous drafts and for performing the review.

## Project partners:

#	Partner short name	Partner Full Name
1	POLITO	Politecnico di Torino
2	UNR	Uniresearch B.V.
3	EGP	Enel Green Power SpA
4	FAU	Friedrich-Alexander-Universitaet Erlangen-Nuernberg
5	TUG	Graz University of Technology
6	KER	Kerionics s.l.
7	AAU	Aalborg University
8	FZJ	Forschungszentrum Jülich gmbh
9	ULille	University of Lille
10	STARGATE	Stargate Hydrogen Solutions OU
11	PF	Pietro Fiorentini s.p.a.
11.1	HYT	Hyter s.r.l. (Affiliated)
12	CNR	Consiglio Nazionale delle Ricerche
13	1s1	1s1 Energy Portugal Unipessoal Lda
14	AEA	AEA s.r.l.
15	VDX	Volytica diagnostics GmbH
16	SE	SolydEra SpA

## Disclaimer/ Acknowledgment



Copyright ©, all rights reserved. This document or any part thereof may not be made public or disclosed, copied or otherwise reproduced or used in any form or by any means, without prior permission in writing from the ELECTROLIFE Consortium. Neither the ELECTROLIFE Consortium nor any of its members, their officers, employees or agents shall be liable or responsible, in negligence or otherwise, for any

loss, damage or expense whatever sustained by any person as a result of the use, in any manner or form, of any knowledge, information or data contained in this document, or due to any inaccuracy, omission or error therein contained.

All Intellectual Property Rights, know-how and information provided by and/or arising from this document, such as designs, documentation, as well as preparatory material in that regard, is and shall remain the exclusive property of the ELECTROLIFE Consortium and any of its members or its licensors. Nothing contained in this document shall give, or shall be construed as giving, any right, title, ownership, interest, license or any other right in or to any IP, know-how and information.

The project is supported by the Clean Hydrogen Partnership and its members.

The project has received funding from Clean Hydrogen Partnership Joint Undertaking under Grant Agreement No 101137802. This Joint Undertaking receives support from the European Union's Horizon 2020 Research and Innovation programme, Hydrogen Europe and Hydrogen Europe Research.

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 the Clean Hydrogen Partnership. Neither the European Union nor the granting authority can be held responsible for them.