Funded by the European Union

BRAVA

Clean Hydrogen Partnership

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

Clean Hydrogen
Project BRAVA
No. 101101409

WP2 - Deliverable D2.3 – Report
Stack component requirements

Deliverable Details

Deliverable No.	BRAVA D2.3
Related WP	Work Package 2
Deliverable Title	Stack component requirements
Deliverable Date	30/04/2023
Deliverable Type	REPORT
Dissemination level	Sensitive – member only (SEN)
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Change History

Version	Date	Changes	Done by	Approved by
V1	25.04.2023	First Version	Hubert Meissel (AER)	WIlliam Resende (A-D)

List of Acronyms and Abbreviations

Abbr.	Description
BPP	Bipolar plate
CCM	Catalytic coated membrane
CL	Catalyst layer(s)
EOL	End of Life
FC	Fuel Cell
IP	Intellectual property
MEA	Membrane Electrode Assembly
PEM	Proton Exchange membrane
GDL	Gas Diffusion Layer
RH	Relative humidity

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1. Executive Public Summary

- The stack requirements were derived from the top level requirements stated in D2.1 Deliverable “PGS system architecture and high level requirements on PGS level and the sub-system requirements”.
- The approach used was a typical V-systems engineering approach, using high level fuel cell stack requirements and using that to cascade it down to the component levels (i.e, catalyst, membrane, GDL, bipolar plate).
- As indicated in the deliverable plan, the deliverable D2.3 of the consortium BRAVA contains the fuel stack requirements broken down to the FC stack components (i.e., membrane, catalyst, ionomers, etc).
- The component requirements derived here will support and ensure that the stack targets listed in the proposal shall be achieved till the end of the project
- This document contains several assumptions made till the time for release. If new requirements happen to be considered important, they will be updated in this document after the report date to make sure the developments of the project are most up to date.

4. Acknowledgments

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	A-D	AIRBUS OPERATIONS GMBH
2	A-E	AIRBUS OPERATIONS SL
3	AER	AEROSTACK GMBH
4	CNRS	CENTRE NATIONAL DE LA RECHERCHE SCIENTIFIQUE
4.1	UM	UNIVERSITE DE MONTPELLIER
5	HER	HERAEUS DEUTSCHLAND GMBH & CO KG
6	LTS	LIEBHERR AEROSPACE TOULOUSE SAS
7	MAD	MADIT METAL S.L.
8	MOR	MORPHEUS DESIGNS S.L.
9	NLR	STICHTING KONINKLIJK NEDERLANDS LUCHT – EN RUIMTEVAARTCENTRUM
10	SOL	SOLVAY SPECIALTY POLYMERS ITALY SPA
10.1	RHOP	RHODIA OPERATIONS
10.2	RHLA	RHODIA LABORATOIRE DU FUTUR
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This project has received funding from the European Union's Horizon Europe research and innovation programme under grant agreement No 101101409. 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 Joint Undertaking. Neither the European Union nor the granting authority can be held responsible for them.