- IDEALFUEL -

Lignin as a feedstock for renewable marine fuels

GRANT AGREEMENT No. 883753

HORIZON 2020 PROGRAMME - TOPIC LC-SC3-RES-23-2019
"Development of next generation biofuel and alternative renewable fuel technologies for aviation and shipping"

Deliverable Report

D6.5 - Report on Techno-Economic assessment

This project has received funding from the European Union's Horizon 2020 research and innovation programme under grant agreement No 883753

Deliverable No.	IDEALFUEL D6.5	
Related WP	WP6	
Deliverable Title	Report on Techno-Economic assessment	
Deliverable Date	26-04-2024	
Deliverable Type	REPORT	
Dissemination level	Confidential (CO)	
Written By	Felipe Ferrari (GF), Marilena Demetriou (GF)	25-04-2024
Checked by	Felipe Ferrari (GF)	29-04-2024
Reviewed by	Roy Hermanns (TUE)	29-04-2024
Approved by	Roy Hermanns (TUE)	30-04-2024
Status	FINAL	30-04-2024

Disclaimer/ Acknowledgment

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Publishable summary

The report provides a technoeconomic assessment of the IDEALFUEL research project, which aims to enable the utilization of lignin from lignocellulosic biomass to produce a renewable marine fuel. This involves extracting lignin from biomass as Crude Lignin Oil and converting it into Bio-Heavy Fuel Oil through a two-step chemical process. IF seeks to surpass current fossil fuel performance standards, significantly reducing Carbon Dioxide footprint, and offering a techno-economically viable pathway to produce Bio-HFO for the shipping sector, which can potentially be blended with conventional HFOs.

9. 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	TUE	Technische Universiteit Eindhoven
2	VERT	Vertoro BV
3	T4F	Tec4Fuels
4	BLOOM	Bloom Biorenewables Ltd
5	UNR	Uniresearch B.V.
6	WinGD	Winterthur Gas & Diesel AG
7		(Formerly SeaNRG, is now GOODFUELS #12)
8	TKMS	Thyssenkrupp Marine Systems GMBH
9	OWI	OWI – Science for Fuels gGmbH
10	CSIC	Agencia Estatal Consejo Superior De Investigaciones Cientificas
11	VARO	Varo Energy Netherlands BV
12	GOOD	GoodFuels B.V.

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