

- 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



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Publishable summary

The report provides a techno-economic 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.

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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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