

ALTERNATIVE FUEL VEHICLE CONCEPTS AND OPERATIONS ON ROAD AND RAIL

Output factsheet: Tools

Version 1

Project index number and acronym	CE1444 InterGreen-Nodes
Lead partner	Technical University of Applied Sciences Wildau
Output number and title	Output 3.1 - Alternative fuel vehicle Concepts and operations on road and rail
Responsible partner (PP name and number)	PP1 Technical University of Applied Sciences Wildau
Project website	https://www.interreg-central.eu/Content.Node/InterGreen-Nodes.html
Delivery date	03.05.2021

Summary description of the key features of the tool (developed and/or implemented)

The Output consists of concepts for six vehicle platforms with battery-electric or fuel cell based drivetrains. Concepts are based in market analysis and concepts for alternative fuel vehicles (rail and road) for use in terminal shunting services and operations. Calculation of necessary energy source dimensioning, drive train dimensioning and operational programme are described in detail. This Output shall help vehicle operators as well as vehicle manufacturers to gain a better understanding of operational constraints, as well as market demands. The report also serves as a guideline for conceptualising green vehicles in an industrial operations context.

NUTS region(s) where the tool has been developed and/or implemented (relevant NUTS level)

The project partner regions IT (ITH55 Bologna), SI (SI024 Oblano-krakša), HU (HU101 Budapest) and DE (DE300 Berlin; DE803 Rostock) were instrumental in the development of the Scoreboard. The report is published on [https://www.interreg-central.eu/Content.Node/InterGreen-Nodes/CE1444-InterGreen-D.T3.1.3-Final-\(2021-05-01\).pdf](https://www.interreg-central.eu/Content.Node/InterGreen-Nodes/CE1444-InterGreen-D.T3.1.3-Final-(2021-05-01).pdf).

Expected impact and benefits of the tool for the concerned territories and target groups

This Output shall help vehicle operators as well as vehicle manufacturers to gain a better understanding of operational constraints, as well as market demands. The report also serves as a guideline for conceptualising green vehicles in an industrial operations context. It will thereby help target groups (and in extension the regions they are located in) to contract the construction of green vehicles.

Sustainability of the tool and its transferability to other territories and stakeholders

There are no constraints to the transferability to other regions. Stakeholders can come from a wide range of operators of commercial vehicles.

Lessons learned from the development/implementation process of the tool and added value of transnational cooperation

The transnational cooperation helped in understanding the demands of ports throughout Europe.

References to relevant deliverables and web-links If applicable, pictures or images to be provided as annex

The output was compiled from the information and results of the development of processes and structures (A.T3.1). The Output was submitted in PR5 with the Joint Progress Report under D.T3.1.3. The report was made available for download from the following website:

[https://www.interreg-central.eu/Content.Node/InterGreen-Nodes/CE1444-InterGreen-D.T3.1.3-Final-\(2021-05-01\).pdf](https://www.interreg-central.eu/Content.Node/InterGreen-Nodes/CE1444-InterGreen-D.T3.1.3-Final-(2021-05-01).pdf)

Further links to InterGreen Deliverables via <https://www.interreg-central.eu/Content.Node/InterGreen-Nodes.html>