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Innovative models and integrated digital tools for Battery Electric long-haul LOGistics



BELOGIC - Deliverable report

D10.1 – Project Handbook



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Project Scientific Abstract

BELOGIC accelerates the large-scale deployment of battery-electric trucks in long-haul logistics by combining innovative logistic models with advanced digital tools and demonstrating that the cost of operating battery-electric trucks can be lower than operating with ICE vehicles. The project starts from a solid baseline analysis of current missions, barriers, and enablers, and co-designs new operational models with leading logistics service providers. These modules are validated through advanced simulations and real-world demonstrations across Europe, covering diverse corridors, vehicle types, and mission profiles.

A portfolio of interoperable digital tools is developed and integrated into existing transport and fleet management systems, enabling efficient planning, relay operations, smart charging, and cross-border services. The demonstrations provide TRL 7-8 evidence of feasibility, while high-resolution data collection and impact assessment deliver robust insights for large-scale replication.

The main participants are 5 leading European logistics operators, who work together with OEMs, RTOs and software providers to ensure that its results translate into actionable deployment strategies, policy recommendations, and commercially viable solutions. By supporting the operations of BEVs with advanced digital tools, BELOGIC reduces the costs, improves the reliability, and cuts the emissions.

Public summary

The project handbook of BELOGIC, Deliverable 10.1, will outline the management procedures necessary to achieve the project's objectives and ensure a smooth collaboration between the partners. This document also establishes management tools to guarantee the quality and impact of project deliverables. The project handbook is based on the Description of Action (DoA, Grant Agreement Annex I), with some additional decisions made during the kick-off meeting. This project handbook provides a detailed explanation of the project work plan, governance structure, project meetings, quality assurance within the project, reporting procedures, rules related to communication and dissemination, and confidentiality regarding project results and outputs.

BELOGIC's project handbook provides guidelines for the implementation of project activities and operations for the project and its partners. The handbook will be updated where necessary over the project lifetime. The latest version of BELOGIC's project handbook will be accessible to project partners on the BELOGIC SharePoint. The document will serve as a reference for project members. New project members will be able to use this handbook as a guide to get familiar with BELOGIC's management structure.

9 Acknowledgement

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Project partners:

#	Partner short name	Partner Full Name
1	VUB	VRIJE UNIVERSITEIT BRUSSEL
2	GRU	GRUBER LOGISTICS S.P.A.
3	COD	CODOGNOTTO ITALIA SPA
4	SES	TRANS SESE SOCIEDAD LIMITADA
4.1	GSS	GRUPO LOGISTICO SESE SOCIEDAD LIMITADA
5	DFDS	DFDS AS
6	ALI	ALLIANCE FOR LOGISTICS INNOVATION THROUGH COLLABORATION IN EUROPE
7	SFC	STICHTING SMART FREIGHT CENTRE
8	VOL	VOLVO TECHNOLOGY AB
8.1	VEN	Volvo Energy AB
8.2	VTC	VOLVO LASTVAGNAR AB
8.3	VGCS	Volvo Group Connected Solutions AB
8.4	VLOG	Volvo Logistics Aktiebolag
9	DAF	DAF TRUCKS NV
10	IVE	IVECO SPA
11	BOS-AT	ROBERT BOSCH AG
12	BOS-MPS	Bosch Mobility Platform & Solutions GmbH
13	PCL	Partnerschaft Collaborative Logistics
14	TNO	NEDERLANDSE ORGANISATIE VOOR TOEGEPAST NATUURWETENSCHAPPELIJK ONDERZOEK TNO
15	VTT	TEKNOLOGIAN TUTKIMUSKESKUS VTT OY
16	AIT	AIT AUSTRIAN INSTITUTE OF TECHNOLOGY GBMH
17	UNR	UNIRESEARCH BV

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