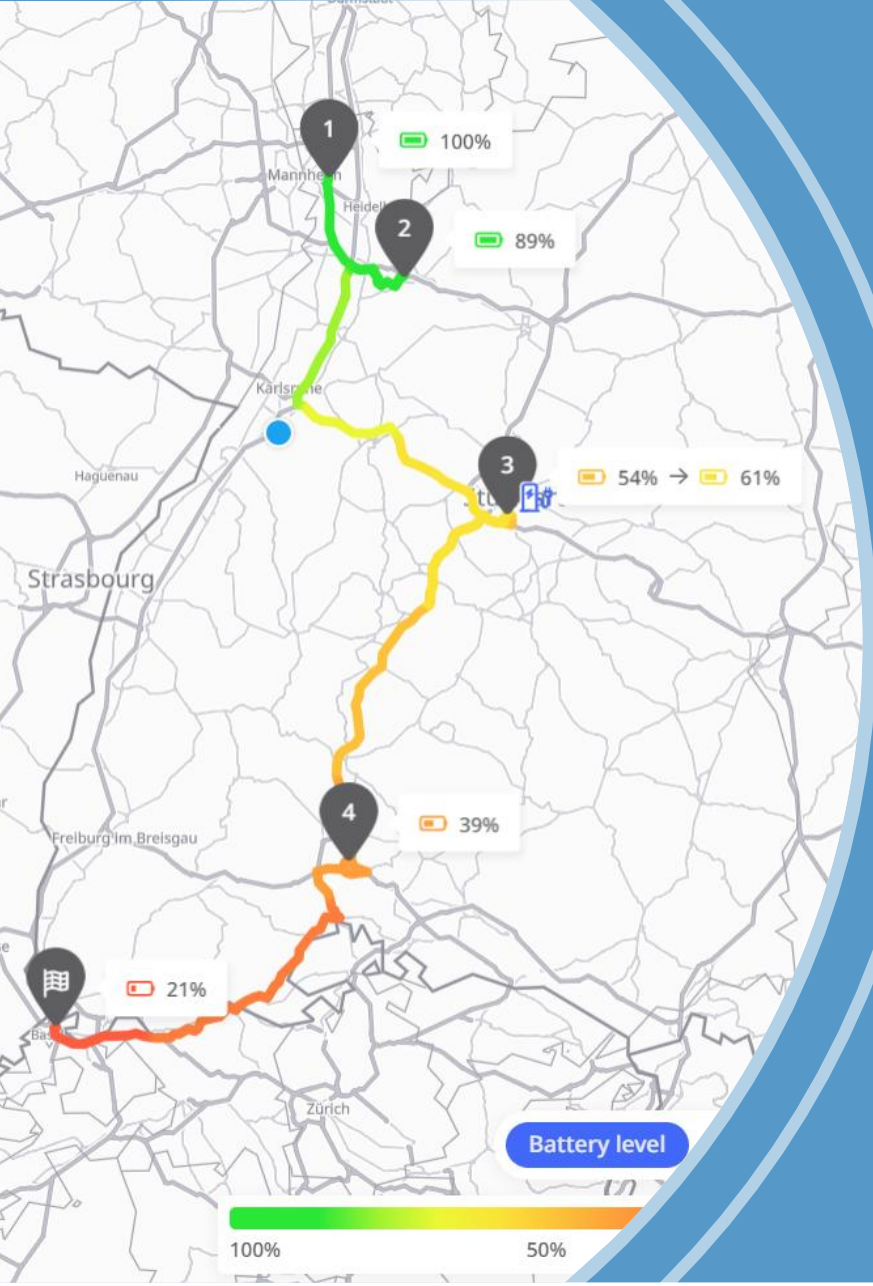
Long-haul & regional road transport

Electrification



Reliable mission planning for Electric Vehicles Trucks

Funded by the European Union

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Developed by :

PTV GROUP

HAN_UNIVERSITY OF APPLIED SCIENCES

Project by :

ZEFES

Operational fields | Technologies | Solutions

RELIABLE MISSION PLANNING FOR EV TRUCKS

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Solution description

IT based mission planning tool

IT-based solution enabling realistic mission planning for electric trucks.

By simulating routes with digital twins, it accounts for variables such as weather, terrain, payload, battery status, and traffic.

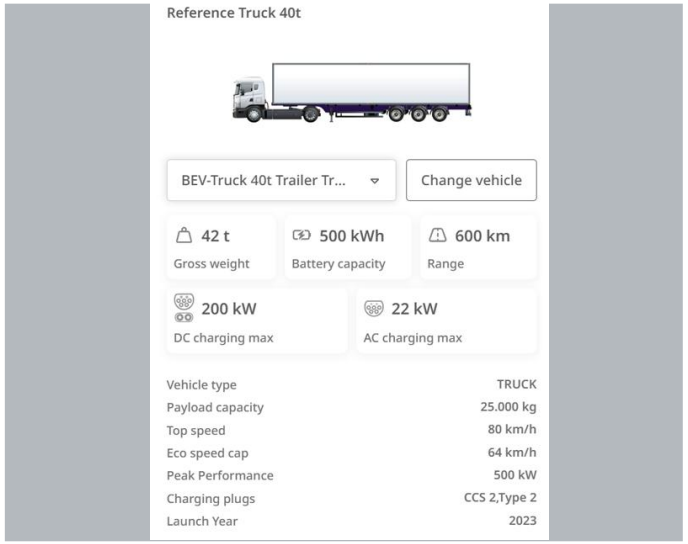
This ensures accurate calculations of energy consumption, range, and optimal charging strategies for complex, multi-stop logistics operations.

Benefits

- Calculate routes using digital twins of electric trucks and gain insight into how these vehicles operate on the road.
- Calculate energy consumption, range, and optimized charging scenarios for realistic truck routes that include multiple stops with varying payloads, considering weather, elevation, truck restrictions, road traffic, or driver behavior.
- Simulation of different weather conditions, battery aging, or battery condition settings.

Main beneficiaries:

For LSPs and for fleet owners



Technology readiness level : *7*
Implementation stage : ***Pilot***

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This solution will help you:

Calculating routes in a realistic scenario, with multi-stop routes, weather truck restrictions etc. provides valuable insights, into which routes are feasible for specific vehicles and which not.

Time to simulate: How does the vehicle behave in winter/summer, with strong headwinds, or if the battery is only half full? Where do you have to place chargers, so routes are feasible, and how long do they have to charge?

Take a photo of this slide and get in touch to learn how we can support your EV fleet planning.

www.zefes.eu

Would you like to know more? Take contact :

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