

CHALLENGER



SOLVER



OPTIDRIVE

Predictive eco driving solution for service electric vehicles to optimise energy consumption, rank, analyse and enhance driver performance

Innobuyer collaborated with public institutions (challengers) to identify their unmet innovation needs and select suitable SMEs (solvers) to address them. The matched teams co-created pilot solutions over a 10-month period. Following successful pilots, challengers received support from Innobuyer and experts to design simplified ToR. Each project was backed by €100,000 in financial support—€41,500 for the challenger and €58,500 for the solver.

THE NEED

SC "Klaipėdos paslaugos," a public transport operator with a transitioning electric bus fleet, needed to optimize energy consumption and improve driver performance.

This challenge aimed to **enhance the efficiency and operation of their electric bus fleet**. Affected groups primarily included the bus drivers and the transport company itself.

THE IMPACT

Corner case technology has provided an data collection, cleaning, and structuring program for bus energy consumption which forms the basis for driver education programs.

The OptiDrive pilot demonstrates how data-driven solutions can transform public transportation, highlighting the importance of early stakeholder engagement, the need for flexibility in overcoming challenges, and the value of scalability for long-term impact.

THE SOLUTION

Corner Case Technology, collaborated on a solution focused on **optimizing energy consumption and improving driver performance** within the electric bus fleet. The co-created solution includes a minimal pilot scope featuring:

- A Big Data Analysis Algorithm.
- A Machine Learning-Based Tool.
- A Dedicated Analysis Tool with a Graphic User Interface.



THE PRIMARY IMPACT ON "KLAIPĖDOS PASLAUGOS" IS THE IMPROVEMENT IN OPERATIONAL EFFICIENCY THROUGH REDUCED ENERGY CONSUMPTION. THE PILOT'S EARLY RESULTS HAVE DEMONSTRATED AN REDUCTION IN ENERGY USE ACROSS ELECTRIC BUSES, WITH THE POTENTIAL FOR FURTHER SAVINGS AS MORE DRIVERS ADOPT ECO-DRIVING PRACTICES. THIS TRANSLATES INTO DIRECT COST SAVINGS FOR THE COMPANY, ALLOWING FOR MORE EFFICIENT FLEET MANAGEMENT AND RESOURCE ALLOCATION.

