The New Drive: project for APEEE Services Transport

Transport consultants

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About The New Drive

This presentation outlines a proposal for enhancing the sustainability and efficiency of transport at the EEB1.

The focus is on implementing electric mobility solutions and optimising existing transport routes while minimizing operational costs. They worked with De Lijn and many other transport companies in Belgium.

Current Situation

- A significant portion of the bus fleet remains diesel-powered, highlighting opportunities for further electrification.
- Operational inefficiencies are leading to increased costs and reduced service reliability for students and parents.
- Financial assessments are needed to determine the justifiability of current transport rates charged to families.
- Route optimization is essential to improve travel times and reduce unnecessary fuel consumption.
- Stakeholder feedback is vital to address concerns about the effectiveness of the existing transport arrangements.
- A comprehensive evaluation may reveal the potential for integrating alternative transport modes to enhance sustainability.

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Questions

- Are the current rates for buses justified?
- Is the current bus transport efficiently organized?
- What options exist for optimizing transport, including alternative modes?

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Plan of Action

- Structured approach examining three key topics in parallel
- Collaboration with APEEE for workshops
- Combination of routing optimization and mobility offer evaluation

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TCO Analysis and Contract Strategy

- Construction of a Total Cost of Ownership (TCO) model comparing electric vs diesel buses
- Incorporation of all relevant cost factors
- Recommendations for future contracting strategies

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Routing and Operational Optimization

- Analysis of existing routing, capacity usage, and daily planning
- Identification of inefficiencies and potential for overlapping routes
- Suggestions for redesigning routes to maintain accessibility and convenience

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Mobility Offer Optimization (Optional)

- Evaluation of alternative transport modes to support sustainable travel
- Testing the potential for bicycle and public transport options
- Long-term vision on school mobility combining sustainability and affordability

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Expected Outcomes

- Consolidated report on current and potential modal shifts
- Data-driven insights for negotiations with operators
- Strategic recommendations for the future of school transport

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Objective

The objective of this proposal is to create an efficient, sustainable, and user-friendly transport system for our school. By optimizing current operations and exploring alternative transportation options, we aim to lower costs and reduce CO2 emissions.

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Price

	Hours	Price (excl. VAT)
Topic 1: TCO analysis and contract strategy	92,4	€ 18.738,50
Topic 2: Routing and operational optimization	56	€ 8.134,50
Topic 3 (optional)	24,2	€ 3.509,00

A part of this cost can be paid for by the Region but the exact amount needs to be determined.

If their analysis leads to a price reduction of just 1%, this could already generate direct savings of approximately €60,000

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Next steps

- Consultant will come to our next transport committee meeting to get to know the committee members and the services
- Work should start in October
- We're open to any ideas you may have as we're still negotiating the scope
- transport@apeee-bxl1-services.be

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