

Implementation Plan for the Electrification of Bus Routes



Autobus AG operates 11 bus lines in the Liestal-Basel area. The company is planning to electrify its fleet of 50 buses over the next few years. We developed possible scenarios for the electrification of the routes and helped the client plan for a transition to electric drive. Thanks to our support, Autobus AG now knows when each of its routes can be electrified and what requirements are necessary for this, including charging infrastructure, batteries and site connections.

Our services

- Technology analysis and definition of assumptions about future development
- Making a route analysis of current operations
- Developing various scenarios and measures for the electrification of the routes
- Choosing a suitable scenario; dimensioning charging infrastructure and batteries
- Forecasting load profile and sizing power connection
- Estimating the emissions saved and energy consumption

Image: The currently operated diesel-powered buses will be replaced with electric buses

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Client

Autobus AG Liestal

Facts

Period 2023 - 2024

Project Country Switzerland

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