

Electrification strategy for the SZU bus fleet



We developed a strategy for the Sihltal-Zürich-Uetliberg Railway (SZU) that would enable the company, to achieve its net-zero goal for their bus fleet. Based on a route analysis of the current lines, we determined when each one could be electrified. We then compared the technical feasibility with various key factors such as cost effectiveness, the necessary charging infrastructure and special operational needs. This comparison enabled us to define a strategy for SZU to achieve its net-zero goals.

Our services

- Drafting of forecasts for the technological development of electric buses
- Drafting of clear strategic principles and goals
- Route analysis with various scenarios and measures
- Characterization of the existing garages and assessment of charging infrastructure suitability
- Creation of an implementation plan, including a replacement plan, a charging concept, dimensioning of the charging infrastructure, a cost estimate and investment plan

Image: Zimmerberg bus underway in the town of Horgen

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Client

Sihltal Zürich Uetliberg Railway (SZU) AG

Facts

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Project Country Switzerland

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