Project: "Historic Pöstlingberg Vehicles"

URBANIA
TRAFFIC SOLUTIONS GMBH

Client: Linz AG Linien

Contact Person: Operations Manager, Ing. Johann Frisch
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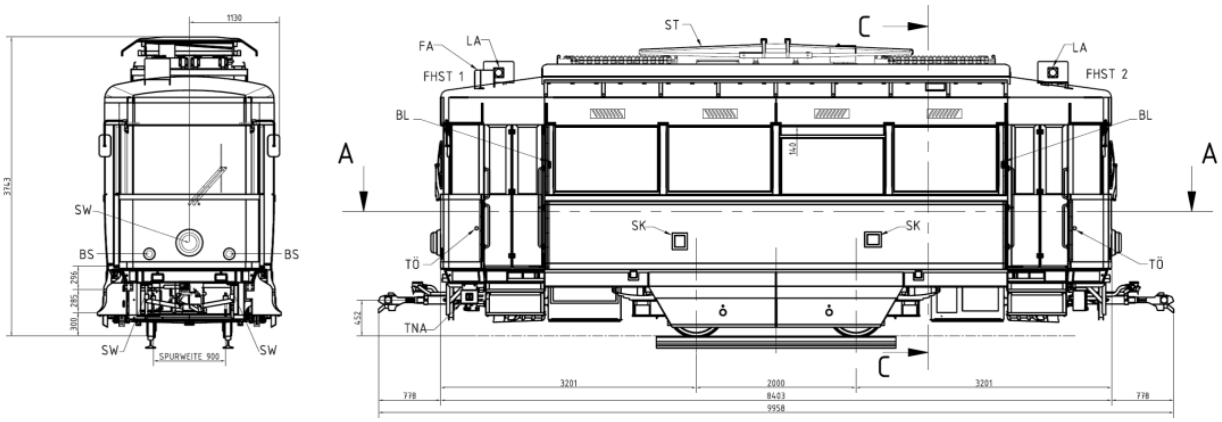
Project Duration: 2007 - 2010

Project Brief:

In order to comply with the protection regulations for sites of historic interest, as well as with the operation requirements of the new Pöstlingberg line, the historic cars had to be rebuilt. The historic vehicles, too, had to be state-of-the-art in order to be fit for operation on this this topographically exceptional route.

Brief Vehicle Description:



Model/Type: Bi-directional Vehicle	Max. axial load: 10 t
Vehicle length: 19,16 m	Min. curve radius: 17 m
Vehicle width: 2,40 m	Gradeability: 116 ‰
Floor height: 1.000 mm above top of rail	No multi-functional area
Total capacity (with 4 people/m²): 46 passengers total, 22 seats	Capable of multiple-unit operation

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Task Description:

1. Preliminary studies:

- Analysis of infrastructure requirements and legal regulations for the expansion of the Pöstlingberg line
- Definition of essential security parameters regarding the dimensioning of the vehicles under the given topographical circumstances
- Customer information regarding various possibilities of refitting historic vehicles

2. Preparation of an Invitation to Tender:

- Preparing the tender specifications, as well as evaluation and acceptance criteria
- Compiling the technical specification document
- Drawing up the technical-economic requirements

3. Tendering process:

- Assistance with the tendering and evaluation process

4. Assistance with procurement:

- Project coordination, follow-up and supervision of the project progress
- Drafting the functional specification document
- Inspection of system description documents
- Providing Technical Opinions and assistance with applying for type approval and operating permits
- Initial sample inspection and subsequent vehicle inspection, incl. protocolling
- Inspection of vehicle and maintenance documents

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