

Project: "Tram-Train Gmunden"

Client: Stern und Hafferl Verkehrsgesellschaft m.b.H

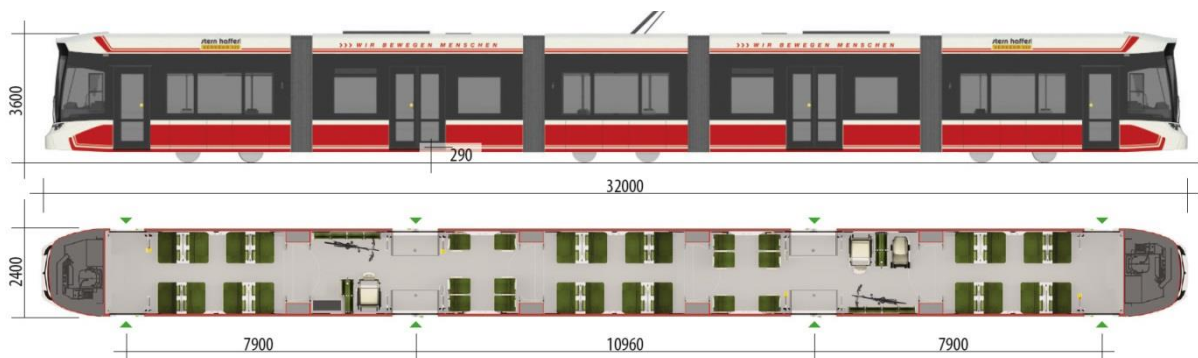
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Project Duration: 2008 - 2016

Project Brief:

The given task was to connect the tram network in Gmunden with the Stern & Hafferl regional railway network, in order to connect surrounding municipalities with the city of Gmunden. To make this possible, a vehicle had to be developed which would, based on the model of a tram, fulfill the topographic requirements of the town center (100 ‰ gradient, 17m minimum curve radius and max. 240mm platform height), while offering the passenger comfort of a railcar for the regional branch line.

Brief Vehicle Description:



Model/Type: Bi-directional vehicle	Maintenance contract: 16 + 8 years
Vehicle length: 32,0 m	Max. axial load: 10 t
Vehicle width: 2,4 m	Min. curve radius: 17 m
Entry height / Low-floor area ratio: 290 mm above top of rail / 100 ‰	Gradeability: 100 ‰
Total capacity (with 4 people/m ²): 174 passengers total, 75 seats	Multi-functional area: 2 wheelchairs + 2 buggies + 2 bikes

Task Description:

1. Preliminary studies:

- Analysis of infrastructure requirements and legal regulations for the different rail systems
- Definition of the required passenger capacities and driving cycles
- Customer information regarding available vehicles

2. Preparation of an Invitation to Tender:

- Compiling the technical specification document
- Drawing up the technical-economic requirements
- Developing a maintenance contract

3. Tendering process:

- Assistance with the tendering and evaluation process
- Assistance in opposing appeals against the contract award decision

4. Assistance with Procurement:

- Project coordination, follow-up and supervision of the project progress
- Drafting the functional specification document
- Inspection of the 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
- Assistance with the execution and implementation of the maintenance contract