

Project: "Trams - Augsburg"

Client: Stadtwerke Augsburg

Contact Person: Chief Executive, Norbert Walter

Project Duration: 2007

Project Brief:

As a replacement for the existing high-floor vehicles, and in order to expand the network of the Augsburg transport services, new low-floor vehicles had to be procured. These new vehicles should be similar in functionality to the existing 100% low-floor trams, but they should be equipped with state-of-the-art design and technology.

Brief Vehicle Description:



Model/Type: Unidirectional Vehicle	Max. axial load: 10 t
Vehicle length: 40,6 m	Min. curve radius: 17,5 m
Vehicle width: 2,3 m	Gradeability: 110 ‰
Entry height / Low-floor area ratio: 320 mm above top of rail / 100 %	Multi-functional area: 2 wheelchairs + 2 buggies + 2 bikes
Total capacity (with 4 people/m ²): 143 passengers total, 85 seats	

Task Description:

1. Preliminary studies:

- Analysis of infrastructure conditions, as well as legal regulations, for different rail systems
- Definition of required passenger capacities and driving cycles
- Customer information regarding available vehicles

2. Preparation of an Invitation to Tender:

- Compiling the technical specification document
- Drafting the technical-economic requirements