

Project: "Bi-articulated Trolley Bus Linz"

Client: Linz AG Linien

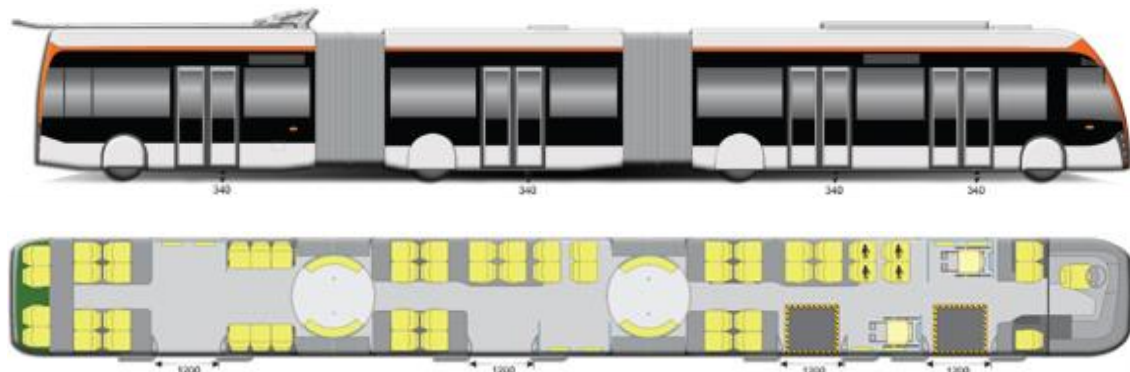
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Project Duration: 2014 - 2016

Project Brief:

The given task was to help organize and supervise the tendering process for new bi-articulated trolley buses, because the existing fleet vehicles should be replaced and their respective lines expanded. The new, bi-articulated busses needed to be integrated into the existing network of Linz AG Linien as effectively as possible. In addition, maintenance contracts for the new vehicles had to be developed and tendered for.

Brief Vehicle Description:



Model/Type: Bi-Articulated Trolley Bus	Maintenance contract: 15 + 3 + 2 years
Vehicle length: 23,82 m	Max. axial load: 11,5 t
Vehicle width: 2,55 m	Turning radius: 24,5 m
Entry height / Low-floor area ratio: 340 mm above top of rail / 100 %	Gradeability: 80 ‰
Total capacity (with 4 people/m ²): 149 passengers total, 53 seats	Battery-powered drive up to 2,5 km (30 scheduled trips/day)

Task Description:

1. Preliminary studies:

- Comparison and evaluation of articulated and bi-articulated buses
- Verification of approval possibilities

2. Preparation of an Invitation to Tender:

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

3. Tendering process:

- Assistance with the tendering and evaluation process
- Assistance in opposing an appeal against the contract award decision, which alleged an infringement of utility model protection

4. Assistance with procurement:

- Drafting the functional specification document
- Drawing up the contract