



Station Waltershof Hamburg – Germany

Order Description: Conceptual design and consulting services subject to the signalling system
Client: Hamburg Port Authority
Volume: 250,000 Euro
Period: 2010

Scope of Work:

1. Project Level I – Data Research

- › Analysis of as-built documentation (operation concept, operational control system, interlocking system, simulation results) with regard to the preparation of the signalling concept, necessary engineering levels and potential signalling options.
- › Preparation of a decision memo
- › Conducting of workshops in cooperation with the specialist departments, determination of further procedures

- Creation of layout with signalling locations
- Creation of reports
- Estimation of quantities and costs

- › Analysis of the new operation concept
- › Investigation of an alternative system
- › Conducting of workshops in cooperation with the specialist departments, determination of further procedures
- › Creation of concept regarding the engineering sequence and tendering procedures

2. Project Level II – Investigation of system variants

- › Preparation of a basic signalling concept in cooperation with the specialist departments (operation management, asset management). At least two options shall be considered:
 - Replacement of control centre Whm through adaption/upgrade of control centre Whf
 - Replacement of control centre Whm and Whf through a new control centre
- › Elements of the signalling concept:
 - Basic calculations
 - Examination interlocking route safety