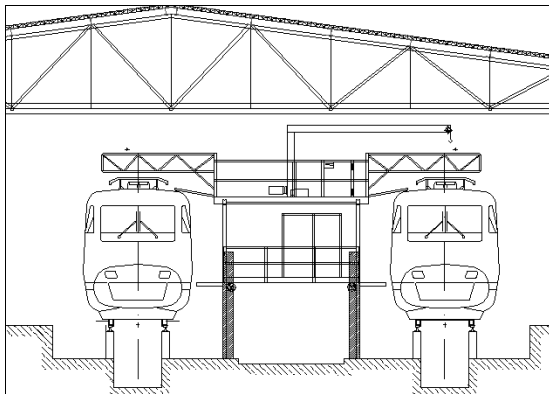


Factory reconstruction of railway depot Interdisciplinary engineering

Task

In Cologne a modernization of servicing and repair in an existing DB AG depot was scheduled additionally for high speed ICE trains. Extreme geometrical and technical conditions and a short cost budget afforded ingenious solutions. In particular following features had to be realized:

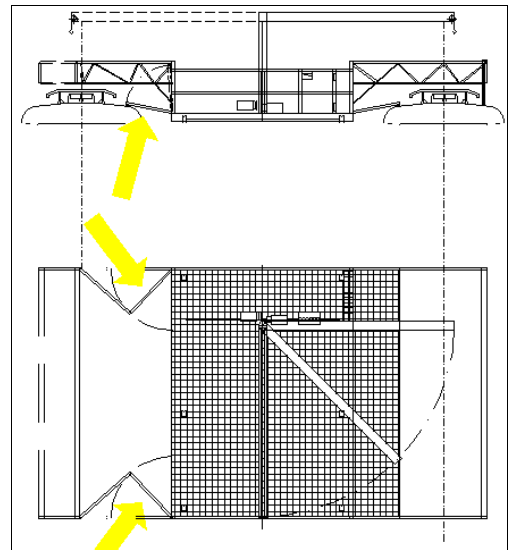
- Bringing in two new tracks for ICE trains
- Creation of servicing and maintenance levels along the train
- Adaptation of gable wall and gates
- New freshwater filling system
- New excrement disposal system by vacuum technique



This ambitious project aims could only be reached by dint of innovative new technology. In particular the investment for a persistent new roof work platform had to be re-nounced.



The standard solution for new high speed ICE train depots of proceedable roof work platforms connected to the depot structure was technically and costly not achievable in the existing depot.



Solution

Contelos Engineering GmbH developed a proceedable roof work platform including the control technology.

The roof work platform substructure is a standing and continuous one over the length of the depot and includes the service level +1,20 m above track along the train.

The proceedable platform serves the +3,80 m level and handles two tracks.

Concerning this invention Contelos Engineering GmbH and DB AG acquired a registered design and a technical patent in Germany.

Are you interested

Fon: +49 5 11 27 04 20-0
 Fax: +49 5 11 27 04 20-29
 info@contelos-engineering.de

Contelos
 Engineering GmbH
 Engelbosteler Damm 5
 D-30167 Hannover
 Germany