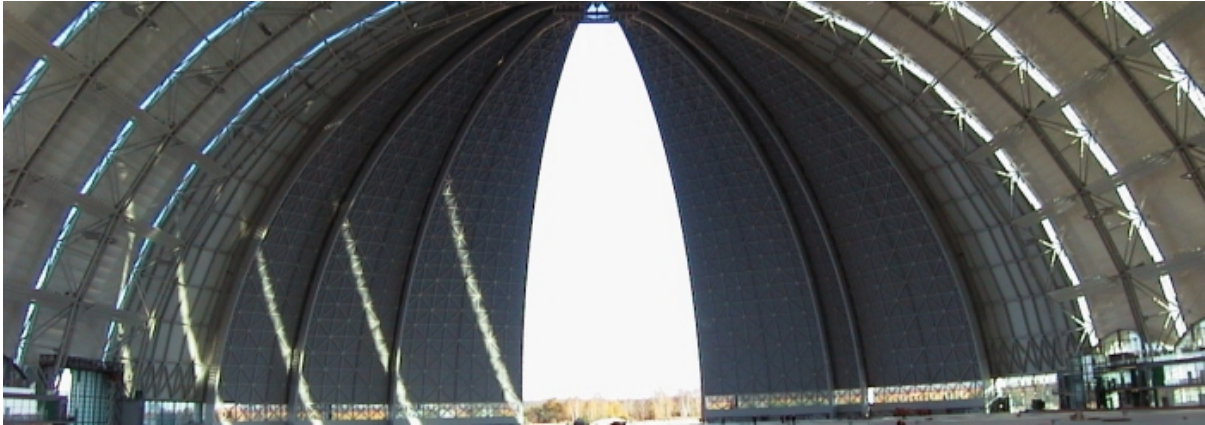


CargoLifter dockyard hall in Briesen-Brand, Brandenburg



| | |
|-----------------------------------|--|
| project: | New construction of dockyard (biggest self-supporting hall in Europe) |
| project location: | Briesen-Brand, Landkreis Dahme-Spreewald |
| services of SMV: | schedule controlling |
| client: | CargoLifter AG Wiesbaden HOCHTIEF Building, NL Berlin MAX BÖGL GmbH & Co. KG, NL Berlin DSD Dillinger Stahlbau GmbH, Eisenhüttenstadt Stahlbau Plauen GmbH ABB Gebäudetechnik AG, NL Cottbus Gustav Pegel & Sohn GmbH & Co. KG, Berlin SIAT Bauplanung und Ingenieurleistungen GmbH & Co. OHG, München |
| building costs: | ca. 79,8 Mio. EUR |
| duration: | 1999 - 2000 |
| responsible: | Prof. Dr.-Ing. Willfred Vedder |
| project description: | CargoLifter AG had planned to design an airship which should be able to carry loads up to 160 tons. For this purpose the world's biggest column-free hall was built in the Brandenburg Briesen-Brand (Dahme/Spreewald) in the south of Berlin. It measures 360 x 210 x 107 m (length x width x height). Lying the Paris Eiffel tower would fit in it. The hall is supposed to be used as dockyard hall. |
| project objectives: | Main target for the CargoLifter AG was to guarantee the completion date which was only achievable by extensive cooperation and communication between all parties involved. We set a high value on an economic construction process. |
| benefits for the clients:: | It was of high importance for the client CargoLifter AG that the determined date of completion was kept. Hence all designing and performing measures had to be operated in a way that even unpredictable incidents wouldn't endanger this date. This was SMV's responsibility and additionally we released the client by direct representation on site. SMV prepared weekly reports about the current project status as well |

as decisions that had to be made by the client. SMV analysed the interfaces between other involved parties and structured the project with the proviso that the construction work had to be finished on due time.

project features:

| | |
|------------------------|------------------------------|
| hall: | self-supporting construction |
| length/width/height: | 360 m / 210 m / 107 m |
| roof and facade area:: | 100 000 m ² |
| gross floor area: | 63 000 m ² |
| gross building volume: | 5 500 000 m ³ |

