



GLASS ROOF DUTCH MARITIME MUSEUM - 04.029

Program

Complete mission for an architectural and structural design of a glass roof.

Concept

The roof of the Dutch Marine Museum courtyard in Amsterdam NL had to offer an intrinsic added value to this historically preserved building. Based on wind hoses of ancient marine maps of the museum collection, a steel structure is developed of 30m by 30m. This basic geometry was curved to a lightly bent dome that only transmits vertical charges onto the museum's existing walls. Besides the steel structure also works as a scenographic element by the introduction of LED lights at different nodes and support points in the steel structure itself.

Specific features

Optimisation of the structure to avoid horizontal reactions. Complete integration of lighting, cabling, fixing of the glass roof, wind and water tightness in one single detail.

Distinctions

1st Prize International Architecture Competition on invitation; 1st Prize 'Amsterdam Architecture Prize 2012'; 1st Prize 'Dutch 2012 National Steel Prize'; 1st Prize 'Steel Construction Award 2012'

Study:	2004	Area:	1000 m ²
Execution:	2009 - 2011	Total budget:	3.200.000 € Vat Excl.
Architect:	Ney & Partners	State:	Completed
Client:	Rijksdienst voor Gebouwen	Images credits:	Ney & Partners - photo: J-L Deru
Site:	Amsterdam, The Netherlands	Copyright:	Ney & Partners

