

# Mobile Flood Defence System

Option agreement "Securing the second storm flood protection line of the public flood protection of the city of Hamburg"



St. Pauli Landungsbrücken



Landesbetrieb  
Straßen, Brücken  
und Gewässer

In the past, the city of Hamburg regularly experienced partially devastating storm tides. Above all, the residents of Hamburg still remember the great storm tide back in 1962 with a large number of fatalities among the civil population. As a consequence, flood protection in Hamburg was developed in a far-sighted and professional manner. All openings in the public flood protection lines of the State Office of Roads, Bridges and Waterways (LSBG) were bit by bit reinforced to ward off floods. St. Pauli Landungsbrücken. The guidelines applicable for the city of Hamburg demand double security for openings in flood protection lines. The second protection line will mainly consist of bulkhead gates. With respect to the use of a uniform mobile system in Hamburg, an option agreement was concluded in 2002 between the IBS and the Office of Water Management Hamburg (now LSBG) for the protection of the second defence line. Since then, IBS GmbH has completed numerous flood protection projects for the city of Hamburg.

**Builder-owner/approving authority:**

State Office of Roads, Bridges and Waterways (LSBG)

**Protection goal:**

BW (7.30 m above sea level) + freeboard

**Load:** in acc. with the guidelines for public flood protection in Hamburg

**Dimensions:** 0.6 – 4.35m, altogether approx. 1,000 m<sup>2</sup> of mobile space



Moorburger Straße (2003)



Oberhafenbrücke (2006)



Lauenbrucher Hauptdeich (2006)



St. Pauli Landungsbrücken, Los 8 (2008)



Kornhausbrücke (2009)



St. Pauli Landungsbrücken, Los 8 (2008)