

## Stadthöfe Hamburg – Innovative Structural Design between Water, Heritage and Modern Lifestyle

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### 1 Abstract

Along the Stadthausbrücke between the roads of Neuer Wall and Grosse Bleichen, behind historic facades, a new quarter with a gross floor space of approx. 45.000 m<sup>2</sup> has been put under construction for retail, office and residential use. The high complexity of the planning and construction task results from the many constraints caused by the tight inner-city situation. In particular, the small scale and nested courtyard-like arrangement of the objects, the boundary development and development of the Alsterfleet, a former waterbody, as well as the demanding requirements of heritage protection were especially challenging.

**Keywords:** innovative structural design, heritage protection, historic facades / buildings, constructions for retail, office and residential use, tight inner-city building situations, small-scale arrangements of different objects.