

## PROJECT DATA

### Project partner

HOCHTIEF Solutions AG formart Hamburg

### Project costs

approx. 11 million Euro

### Size of site

6,700 m<sup>2</sup>

### Gross floor area

4,640 m<sup>2</sup>

### Size of the utilisation units

34, of these 22 in the Water Tower, 60 - 129 m<sup>2</sup> and 12 in the Triplex Houses, 123 - 130 m<sup>2</sup>

### Storeys

Water Tower 9 / Triplex Houses 3

### Architecture

Schenk + Waiblinger Architects, Hamburg

### Beginning of construction

June 2011

### Completion

March 2013

### Energy standard

Passive house

### Energy supply

Integrated Energy Network Wilhelmsburg Central and geothermal heat pump plant as well as solar thermal elements in the facades

## BUILDING EXHIBITION WITHIN THE BUILDING EXHIBITION

Model houses are being constructed in Wilhelmsburg Central that will provide answers to the question of how we will be living and working in the 21st century. By 2013, a total of eleven projects will be realised that address the challenges of our time in relation to the sustainability of building and co-existence. Four themes for the model venture are summarised under the claim 'Building Exhibition within the Building Exhibition': Hybrid Houses, Smart Material Houses, Smart Price Houses and WaterHouses.

### The WaterHouses in Wilhelmsburg Central



Visualisation: IBA Hamburg GmbH / bloomimages

# INTERNATIONAL BUILDING EXHIBITION IBA HAMBURG

In the heart of the city of Hamburg the IBA seeks answers to the most urgent questions posed by contemporary urban planning. Wilhelmsburg, Europe's largest inhabited river island, Veddel and Harburg's inland port are the venues for the IBA's 60 or so projects, due to be completed from 2013 onwards. A stone's throw from Hamburg's inner city we give fresh impetus to urban design; socially, technically and culturally. We are building for and with local residents. We are creating housing and construct a new city within the city. We are taking a stand for more education and greater interpersonal communication, and we are working on new ideas for protecting the climate and the environment.

## One City – Three Key Themes



**Cosmopolis:** How can we ensure that every resident benefits from Hamburg's cultural diversity? By creating 'New Opportunities for the City'.



**Metrozones:** How can Hamburg find new uses for Hamburg's inner-city margins? By finding 'New Spaces for the City'.



**Cities and Climate Change:** How can Hamburg become energy independent and protect the climate? By demanding 'New Energies for the City'.

## EXHIBITION WILHELMSBURG CENTRAL

The drafts and designs of the WaterHouses can be viewed in the exhibition 'Wilhelmsburg Central - Building for the new city'. The exhibition provides a foretaste of the perhaps most innovative constructional neighbourhood in Europe. In 2013, we will be able to see in Wilhelmsburg Central how we will be building and living in the future.



 Finanzbehörde  
Immobilienmanagement



## Contact

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## Exhibition Wilhelmsburg Central

igs centre, Neuenfelder Str. 9  
21109 Hamburg

**Opening times**  
Tuesday - Friday: 10 am - 6 pm  
Saturday - Sunday: 2 pm - 6 pm

**Free guided tours**  
Saturday: 4 pm, Sunday: 3 pm

## How to get there

From S-Bahn station Wilhelmsburg by bus 13 to 'Hallenbad'



You can access additional information with a QR Code Reader.

INTERNATIONAL BUILDING EXHIBITION IBA HAMBURG

METROZONES

# WaterHouses

Living at the Wilhelmsburg Island Park



**IBA\_HAMBURG** Building the City Anew



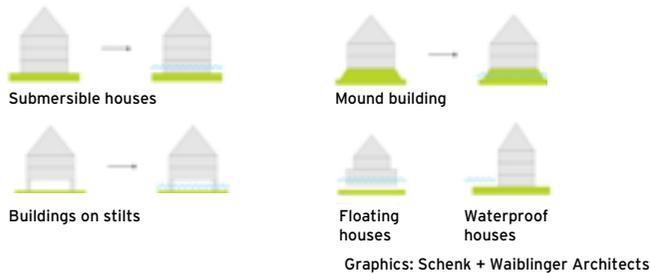
**Hamburg ahead**

# WATERHOUSES

## WATER BECOMES BUILDING LAND

The challenge: Water becomes building land. Building on water is a vision of the future for many people; the implementation of this vision has already begun on the Elbe Islands.

### TYPOLOGIES OF WATER BUILDINGS



On this site, buildings are being created that prove how water sites can be used as residential locations, taking the environmental requirements and the safety requirements of the residents into consideration. Living on water offers more than an attractive location in a maritime atmosphere, as is ideally illustrated by this project. Areas, which are endangered by flooding and groundwater, are being used as building land, or as is the case in Wilhelmsburg Central, a rainwater retention basin is serving as a building site.

The rain retention basin is simultaneously part of an overarching waterway network that will be available for water sports.

## THE CONCEPT

Directly at the entrance to the international garden show Hamburg (igs) 2013, in an approximately 4,000 square metre sized water basin, an innovative contribution will be made to the theme of "Sustainable living with and on water".

### VIEW OF THE ENSEMBLE OF BUILDINGS



According to the design of Schenk + Waiblinger Architects from Hamburg, HOCHTIEF Solutions AG formart Hamburg is realising an ensemble of buildings consisting of four so-called 'Triplex Houses', each with three separately accessible, three-storey apartments. The ensemble will be completed by the nine-storey Water Tower with 22 apartments.

They design shows the quality that can be achieved in building with and on water. It presents an impressive form of a new, sustainable land reclamation.

The buildings have already been precertified with the gold seal of quality for sustainable building by the German Association for Sustainable Building.

## THE BUILDINGS

The theme of water is taken up in the design, from the view of the design and from the aspect of the special ecological qualities: patios on the water, underwater gardens, boat moorings and water walls to protect from unwanted views underline the quality of a life on water.

### VISUALISATION OF THE WATERHOUSES



The sizes of the apartments range from 60 to 130 m<sup>2</sup> and all are equipped with a balcony or a water patio with access to water: Each residential unit of the Triplex houses possesses a water storey with generously glazed facades, making the presence of water perceivable at all times. A boathouse and a large water terrace will be available to the residents in the form of a spacious communal area.

The project shows how water locations can be utilised as residential sites in the future with maximum energy efficiency and a high quality of life.

## IBA EXCELLENCE



A water location is not built as an end in itself - the basin serves an important purpose as a rainwater retention basis.



These buildings will become a home for people of different origins and generations.



Built to passive house standard, the WaterHouses project contributes to the objective of a climate-neutral district.



## OPINION

INKA SCHICKE-DARGA AND PETER DARGA, FUTURE RESIDENTS OF THE WATER HOUSES

„Rural but still urban, idyllic and still near to the city. Living in the flow...

Where else can you find this? Wilhelmsburg always had a rough beauty and the IBA is bringing exiting new developments.“

### CROSS SECTION OF THE WATER TOWER

