

## Boston and Seattle

## Rotterdam

### Case Study



#### Manntech designs facade access system to meet Rotterdam apartment buildings sustainability requirements

In the past Wilhelminakade was a wharf for passenger ships bound for America, and the pier became a symbol during the 19th and 20th century of emigration to the United States. Van Dongen Koschuch Architects and Planners has designed 2 apartment buildings within this historic context, which since 2000 has seen a period of rapid high-rise development.

Both towers are 70 metres tall, and stand on a plinth of commercial spaces and 4 levels of above ground parking. The storeys above have 6 apartments each, creating a total of 220 homes. A green roof is the scenic link between the two towers where communal facilities such as a clubhouse and a panoramic terrace are brought together.

**Manntech** designed Building Maintenance Units (BMUs) that fit the design and met the client's sustainability requirements. The architect's also requested that the BMU would not be visible in parking position. Two very low BMUs were designed and supplied.

Another challenge to overcome was the short delivery time. Manntech succeeded in completing the operational handover of the 2 BMUS within 5 months.

### Facts and Figures

**Commencement:**  
January 2017

**Completion:**  
May 2017

**Building Height:**  
70 metres

**Floor count:**  
23

**Access solution:**  
▶ 2x Crane type BMU

**Building Type:**  
Residential and commercial

### For more information

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