

De Markthal

Rotterdam

Case Study



Manntech supplies innovative facade and roof access solution for De Markthal, Rotterdam

De Markthal, or The Market Hall, is part of the exciting development of the inner city in the heart of Rotterdam. The hall is housed within an arch formed by 228 apartments, covering a square which serves as a central market hall for fresh produce during the day and in the evening remains a lively social hub with bustling bars and restaurants on the first floor.

The apartments follow strict Dutch laws regarding natural daylight. All rooms that require natural light are situated on the outside of the building; the other rooms are positioned on the market side, establishing a connection between residential and commercial spaces.

The development features a flexible suspended glass facade, the largest of its kind in Europe, which allows for maximum transparency and a minimum of structural support. The ceiling of the market is completely covered with a breathtaking work of art known as the Horn of Abundance.

The solution needed to provide means to maintain this work of art in pristine condition and to allow cleaning and maintenance access to every section of market hall interior. **Manntech** designed and supplied a 28m long gantry with a twin track which is integrated with the artwork on the ceiling. The gantry houses a mobile work platform which is capable of reaching the highest part of the facade at 40m.

A mobile, pivoting platform is located underneath the bridge, where an 8m long, self-hoisting platform is fitted. A guide rail allows the platform to follow the curved facade.

Manntech were chosen for this project based on the ability to provide custom designs to meet any building access needs, including the very specific requirements of The Markthal.

Facts and Figures

Commencement:
2013

Completion:
2015

Building Height:
39 metres

Floor count:
12

Access solution:
▶ Special gantry to maintain the curved inner walls and the glazing of the front and back of the building

Building Type:
Commercial and residential

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