

World Trade Center, Utrecht

Design and build of the new World Trade Center in the Utrecht



Client;
Owner: CBRE Global Investors
Developer: AM Red

Contractor:
BAM Bouw en Techniek

Design team:
Architect: MVSA Architects
Structural engineer: ABT
BIM Coordination: BAM Advies & Engineering

Value: €45m

Completion: 2018

Area: 32,000m²

BREEAM/LEED rating: Excellent

Key Features:

- Full integrated BIM
- 3D Multidisciplinary modelling
- BIM based requirement and interface management
- BIM supported client discussion making
- VR headsets to enter the virtual world of the project
- BIM based pricing and purchasing

The new World Trade Centre in the Utrecht, will open in 2018. This unique office with its impressive 70 metre high façade, will be an iconic landmark that attracts visitors and creates a space for people to work, live and socialise. This innovative office concept covers 32,000 square metres and will provide flexible, sustainable, accessible and resilient

accommodation, to meet the needs of companies and their employees.

The entire design and engineering process is based a fully integrated BIM approach. The multidisciplinary design disciplines (architectural, structural and M&E technical) continually work together in the virtual world,

fully aligned and focused on the common goals, within a tightly managed process. The BIM coordinator plays a crucial role in this way of working, managing the process, using a comprehensive set of BIM agreements and clearly defined parameters.

Requirement and interface management is based on the Systems Engineering principle. Design solutions are verified against the requirements of the customer through a direct relationship between the requirements database and BIM data model.

Design proposals are communicated with the client supported by various visualization techniques. VR headsets are used for surprising views in the virtual building.

Specific BIM data sets of building objects are generated for pricing and purchasing purposes and used in the communication with the different parties involved as co-makers and suppliers.

