

## GROOVED PIPES CONNECTION SYSTEM

### PROJECT BRIEF: Maas Tower, Rotterdam, The Netherlands



#### ■ Rotterdam, The Netherlands

The Maas Tower in Rotterdam is the tallest building in the Netherlands. The Maas Tower consists of two high towers of 100 and 165 m. The building has 43 floors of which 8 above ground car park levels. There are also two underground parking levels. The building has a total surface area of 70 230 m<sup>2</sup>. Total project value was € 67 million.

The Maas Tower also has some notable sustainable features. The water of the River Maas is used for the sprinkler system and, together with underground wells, for the thermal energy generation. This means that district heating is not required and CO<sub>2</sub> emissions for the building are virtually halved. This constitutes a major contribution to the City of Rotterdam's ambition to be one of the world's cleanest cities, as defined in the Clinton Climate Initiative of former US President Bill Clinton.

Time was of the essence; delays in construction schedules were simply unacceptable. To compress schedules, the project team sought the fastest, most flexible, most reliable piping system available.

Quikcoup® grooved pipes connection system was specified and installed for all fire protection systems and HVAC systems. Quikcoup® couplings, fittings and butterfly valves were chosen for this big project because of its high quality and reliability but also for cost savings, thanks to Quikcoup's unique one-bolt style 007 coupling which provide substantial time savings for installation time.

#### SPECIFICATIONS

- SERVICES: Fire Protection - Wet and Dry Systems  
HVAC Systems
- PIPE MATERIALS: Grooved Carbon Steel
- PIPE SIZE RANGE: 1" - 12" (33 - 324 mm)

#### ■ MARKET:

Fire Protection  
HVAC

#### ■ QUIKCOUP® SOLUTIONS:

Installation time savings  
Savings in both time and money  
Energy efficient

#### ■ OWNER:

OVG Projectontwikkeling  
Rotterdam, The Netherlands

#### ■ ENGINEER:

Zonneveld B.V.  
Rotterdam, The Netherlands

#### ■ INSTALLER:

Roodenburg Installatie Bedrijf B.V.  
Krimpen a/d IJssel, The Netherlands

#### ■ QUIKCOUP® DISTRIBUTOR:

Zuid Nederlandse Buizen BV  
Maastricht, The Netherlands

#### ■ DATE OF COMPLETION:

September 2009