

## THE ROTTERDAM BUILDING

The Rotterdam, the most eye-catching new building of the port city of Rotterdam, is the largest multi-use facility of the Netherlands. It is also called a 'vertical city'.

### Challenge

This multi-use facility has commercial and residential space, a hotel and fitness center. One of the requirements for the building automation was that the climate had to be easy to control. The scale of the project presented the biggest challenge. Logistics was the key to success when working with such a immense building.

### Solution

The project had a total of ten building control panels with 52 Priva building controllers, 1,358 data points and over 2,000 room controllers. These were installed in the central and eastern tower of the offices and within the hotel of The Rotterdam Building.

### Results

Simplicity and reliability were key factors in making a commitment to integrated building automation as well as brand awareness, service and quality. Alerts are directly reported and processed within the building, the key advantage of the Priva solution. The Rotterdam is a fully functional building providing living, working and commercial space.

The Rotterdam, the most eye-catching building of the port city of Rotterdam, is the largest multi-use facility of the Netherlands. It is also called a 'vertical city'. It consists of three transparent towers and is nearly 500 feet high.

The Rotterdam, designed by architect Rem Koolhaas, has commercial and residential space, a hotel and fitness center. Since the end of 2014, approximately 5,000 people live, work, shop and relax in the vertical city. The building is approximately 1.6M square feet and presented a major challenge in the field of climate control.

### Logistical preparation

The scale of the project was the biggest challenge, according to Control Technical Advisor Richard Hessels of Rensen, a Priva partner. In total 2,267 room controllers had to be installed. "It was not a very complex project but extraordinarily large. Logistics is the key to success when working with such numbers".

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### Specific requirements

One of the requirements for the building automation was that the climate must be easy to control.

"Simplicity and reliability were important factors in making a choice and also brand awareness, service and quality played an important role for the customer. Many alerts must be reported and processed within the building and that is the advantage of the systems of Priva.

### **Completion**

The building was constructed within a four year timeline. According to Hamit Karakus of the city of Rotterdam, it is a great building that strengthens the image of Rotterdam as an architectural city. "This is an icon for our city. Moreover, it strengthens the connection to the city center. A development that started with the construction of the Erasmus Bridge and the Kop van Zuid. The 'Rotterdam' literally pulls people to the southern part of the city." (Quote source: Duurzaam Gebouwd newsletter)

Want to know more about the building? Check out the website of [The Rotterdam](#).



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