



Eneco Head Office

Rotterdam | The Netherlands | Realised by: Brakel Atmos, The Netherlands

“Eneco is impressed by the appearance.”
Martin Trouwborst, Oskomera Project Manager

The atrium has made the Eneco Head Office light and transparent

Task: engineer and create a glass roof with integrated ventilation

The head office of energy supplier Eneco in Rotterdam is a fine example of architecture. The practice of Cees Dam & Partners has designed a building where energy efficiency was a primary consideration. The building has a thermal retention system in the ground and a large array of solar panels. The most distinguishing feature is the atrium which makes the building light and transparent. No matter where you are in the building, when you look up you see the glass roof. The building is triangular and has convex sides with segmented facades. The glass roof needed to fit perfectly, be slimline and also be equipped with a ventilation system.



Solution: glass pitched roof in triangular form

- **Glass roof**

Pitched roof in triangular form constructed from toughened solar control glass. The three sides are curved; this required additional glazed panels along the edges.

Attention to detail: The expansion and contraction of materials had to be addressed. The roof can shift in any direction by approximately two centimetres. This required a flexible edging while still being watertight.

- **Ventilation**

12 slimline, aesthetic Ventría opening lights have been fitted for day-to-day ventilation.

Flexibility during construction

Due to construction problems Oskomera and Brakel were forced to install the facades and glass construction much later than planned. The deadline could not be altered but was still achieved: "We were required to carry out the same amount of work in a shorter period of time. This demanded flexibility on both sides: coordination, rescheduling, extra overtime including nightshifts."

"Brakel is highly cooperative and is always prepared to go the extra mile."

Result

Martien Trouwborst reflects on the project with a great degree of satisfaction: "We placed part of the risk in the hands of an expert partner. Brakel is highly cooperative and is always prepared to go the extra mile. It is fantastic to create a product together that you can both be proud of. Eneco is extremely impressed with the appearance of their building!"

Success factors

- Expertise and experience with the integration of ventilation systems in glass roofs.
- Careful attention to detail and customised systems.
- Attuned to the architectural concept.



info@brakel.com



www.brakel.com

