

ensemble bloemershof



Location/
Dieren, the Netherlands

Design/
Bekkering Adams
architecten

Photography/
DigiDaan

Area/
3,130 sqm

The ensemble is conceptually designed as a frozen forest, with an open and transparent ground floor with concrete columns as tree trunks, filled in with glass and natural stone accents crowned with an upper elevation with slender wooden slats as a 'leafy canopy' hovering above the ground floor. The clear selection of materials provides a strong architectural identity.

The interiors are light and transparent and offer an optimal functionality to their users, with a generous central hall and cafeteria area and a diversity of classrooms and workshops for the vocational school, a high tower with vistas to the eating area and classrooms, and spacious gym facilities.

Sustainability plays a key role in the project. Besides an optimal inner climate, sustainable and future-proof materialization and spatial logistics, the building was designed with the newest sustainable installation technologies.

The project Bloemershof is the first building in the Netherlands where concrete core activation by means of air is applied – the so-called 'Concretecool' system. It uses the natural accumulating qualities of concrete to realize a school with the highest degree of ecological ventilation and cooling standards.

The roof surface of the school is provided with a solar energy system by means of Photovoltaic cells, and a daylight regulation system was implemented to increase efficiency and reduce energy costs.



