B loemershof

Architects: Juliette Bekkering, Monica Adams, Frank Venhorst, Lukas Heiniger, with Arjan Welschot, Gerard Heerink, Tessa Schaap, Amarinske Douma, Zuzana Kuldova, Edwin van den Muijsenberg, Manuel Aust, Sebastian Machleb, Vincent Hector, Ana Pinho Costa

Firm: Bekkering Adams Architecten

Location: Burgemeester Bloemersstraat, Dieren, the Netherlands

Area: 3,130 m²

Photographer: Digidaan (www.digidaan.nl)

Bloemershof was designed with and for the different users: the vocational school, sport facilities, fire station and housing. Grouped around a range of public green spaces and gardens, it connects the village of Rheden with the nature reserve of the Veluwe, mediating between town and countryside. The different programs have their own identity, but together they form a characteristic urban ensemble. The various buildings have their own private green area on the outside of the site, thus making it possible to define a lush green public area in the heart of the site. The monumental trees on the site have been integrated in the urban plan, playing a key role in the public space. A huge pergola forms the transition to the green woods of the Veluwe.

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.

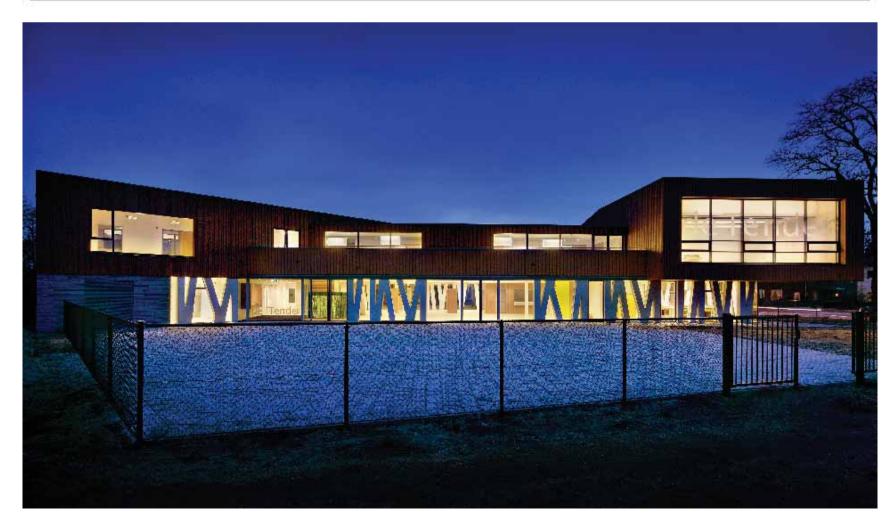
The interiors are light and transparent and offer an optimal functionality to

their users, with a generous central hall and canteen area and a diversity of classrooms and workshops for the vocational school, a large and high remise for the fire department with unexpected spatial look-through and vistas to the bar area and the instruction room and spacious gym facilities. Sustainability is playing a key role in the project. Besides an optimal inner climate, a future-proof and ecological materialization and spatial logistics, it also has been 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 good accumulating qualities of concrete to realise a school with the highest ventilation and cooling standards in a sustainable way.

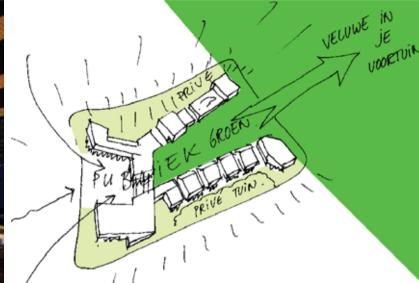
The roof surface of the school will be provided with a solar system by means of Photovoltaic cells and a so-called daylight regulation system is applied reducing the costs of energy to a minimum.





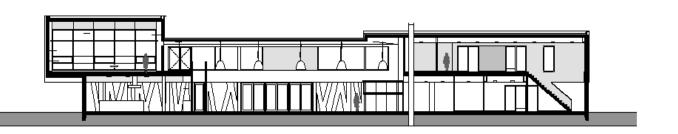






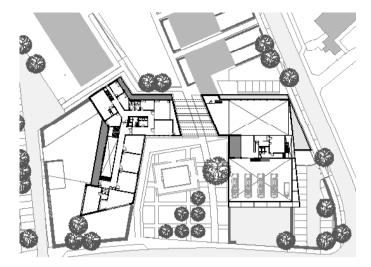


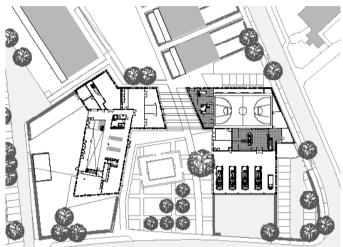
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Bloemershof的设计想法来源于不同的使用者并为其所用。整个建筑群包括职业学校、运动设施、消防站和住宅,地处一系列公共绿地之旁。它连接着雷登村和费吕沃自然保护区,成为城镇与乡村的连接纽带。内部的每个项目各有特点,共同形成了这个城市建筑群。每处建筑在各自工地之外都有独立的绿色空间,因此便于在工地中心建立一块公共绿地。该场地上的巨大古树已被纳入城市建设规划之内,并在公共空间内发挥着重要作用。一个巨大的花棚形成了建筑群与费吕沃自然保护区森林的自然过渡带。

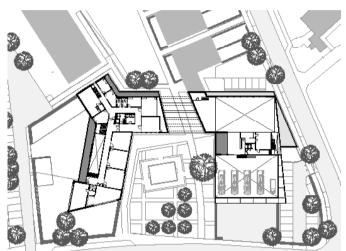
该建筑的设计理念是建成一个模拟森林。一楼特色鲜明,由混凝土柱子仿造树干,中间交织着玻璃和石块,视野开阔、空间通透。覆盖在树干之上的是由细长木条组合模拟而成的"树冠"。建材材料的巧妙选择使得该建筑物特点十分鲜明。

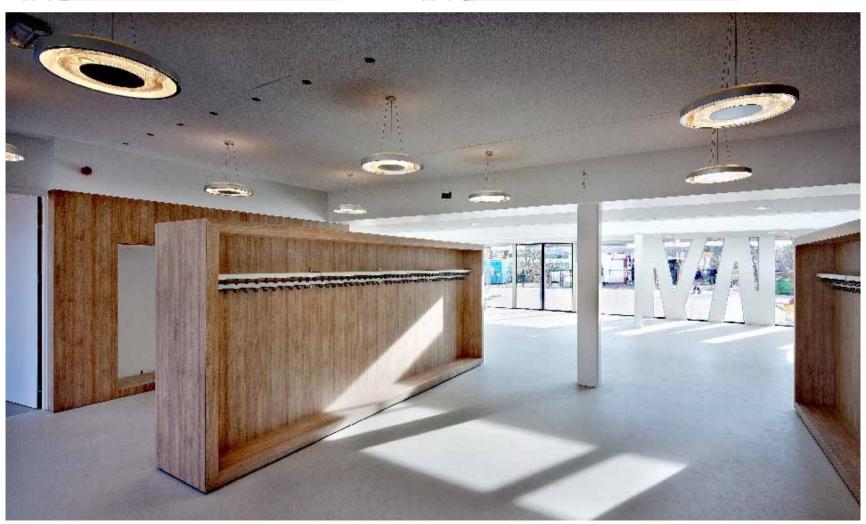
建筑物内部清楚明亮,设施齐全,功能完善。空间布局独特,配有宽敞的中央大厅、食堂、为职业学校 所使用的多个不同教室和工作间、宽阔便利的消防队办公室,沿纵深方向可见舞蹈室和体育馆各项设施。

该项目秉承可持续性精神。除了舒适的内部气候、先进的技术、环保材料和空间物流技术的应用外,最 新环保安装技术也被广泛采用。

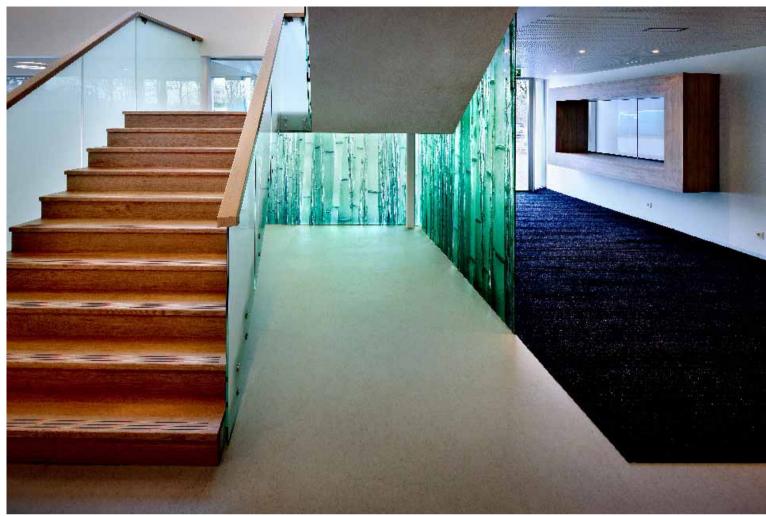
Bloemershof是荷兰首例使用空气自然干燥混凝土芯——"混凝土冷却"系统的项目。它利用混凝土良好的积聚特性,以一种环保方式实现了最佳的自然通风并达到了冷却标准。

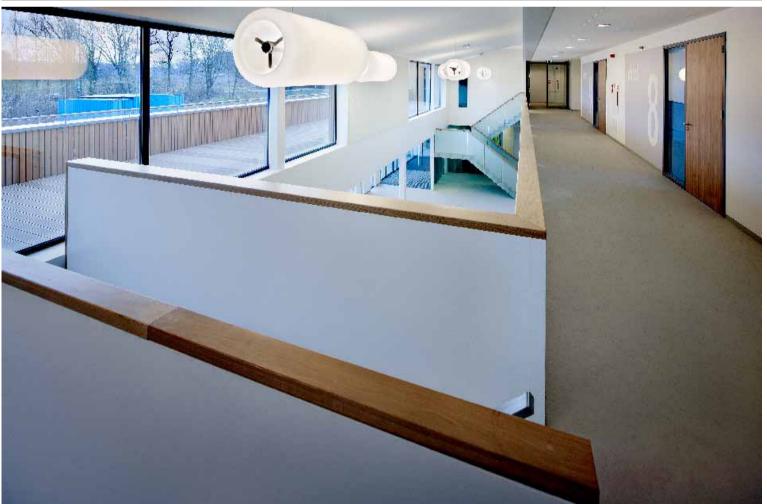
职业学校的屋顶将配有一个太阳能系统。该系统将采用光电池和所谓的日光调节系统将能源花费减至最低。

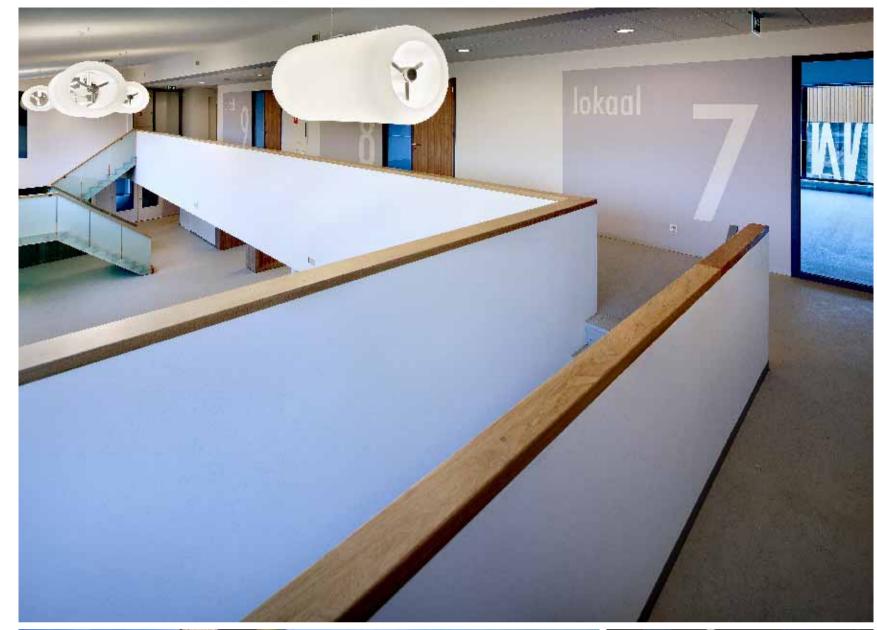




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