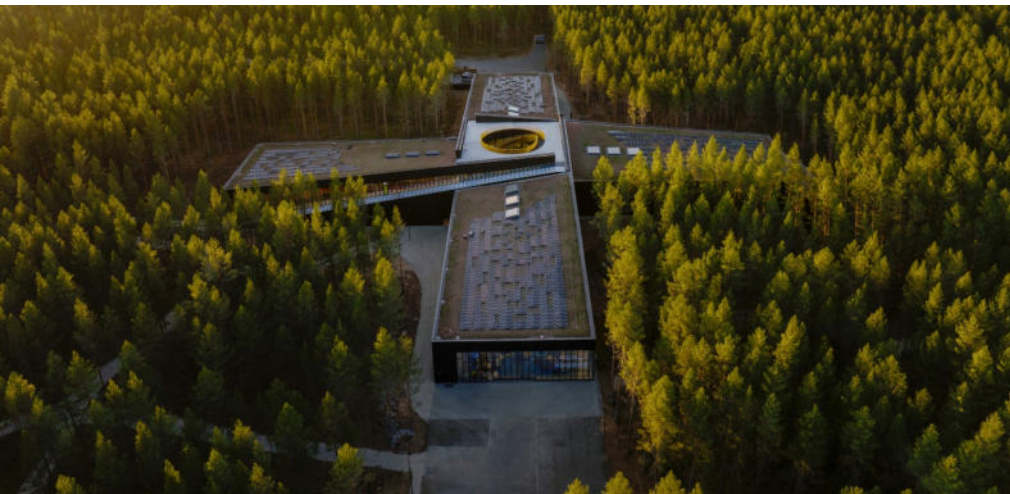


# PROJECT REPORT

## THE PLUS, MAGNOR



© Vestre, Einar Aslaksen

### PROJECT DATA

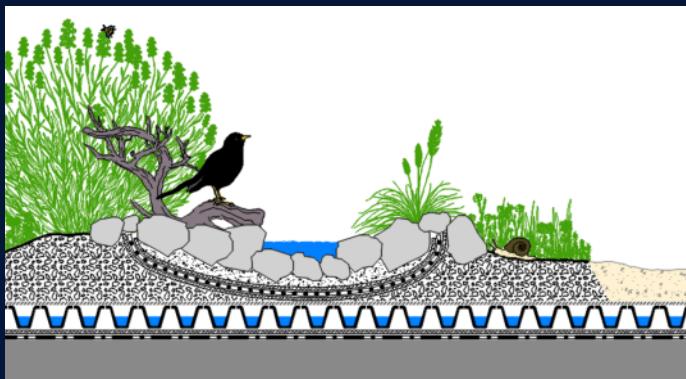
**Area:** 6.350 m<sup>2</sup>  
**Construction Year:** 2021/2022

**Architects:**  
BIG - Bjarke Ingels Group,  
Copenhagen

**Green Roof Consulting /**

**Installation:**  
MATTAK AS, Kokstad

**System Build-up:**  
Biodiversity Green Roof with  
Floradrain® FD 40-E



### SYSTEM BUILD-UP

Vegetation resulting from seeds and cuttings from the surrounding area

Special substrate mixture with forest soil of the place

Filter Sheet SF  
Floradrain® FD 40-E  
Protection Mat SSM 45  
Roof construction with root resistant waterproofing

### CONCEPTION

The Plus is a visionary furniture factory building which meets the highest standards of sustainability. BIG architects also designed a kind of experience centre where visitors can gain insights into the furniture production during guided tours or stroll on or around the building. They can look inside the building through large glazed facades or climb up two long staircases up to the roof area and slide down back to ground level. The building is located in midst of pine woods and leaves the smallest possible footprint. Felled trees were reused as

construction material for the building. The forest soil and all the contained seeds were retained and later on spread on the green roof and the surroundings. By using this bio material, the vegetation on the roof reflects precisely the diversity of species that is typical for the region. The green roof brings also synergy effects to the photovoltaic system provided by the customer. The vegetation cools the surrounding temperature which leads to an increased energy output. This overall concept shows that it is very possible to combine industry with climate and nature.



To make use of the seeds in the retained forest soil, it was combined with the green roof substrate.

© Mattak AS



The System Build-up with Floradrain® FD 40-E was chosen. It's an optimal basis for a green roof with a high level of species diversity.

© Mattak AS



Biodiversity plus solar power is a valuable combination with many synergy effects.

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