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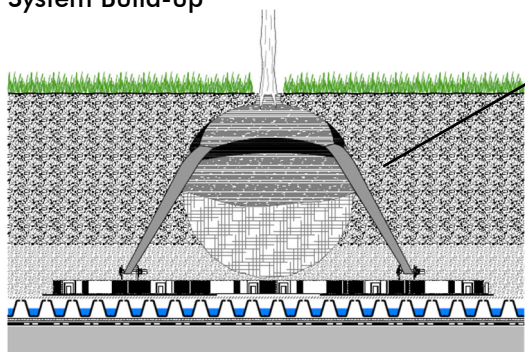
The project was planned as an accessible green roof over an existing car park. This sustainable structure incorporates renewable energy sources while the selected plants reduce pollutants in the air.

Conception

The green car park roofing consists of a circular green roof with a diameter of ca. 25 m. It was installed over an existing car park in order to add value to the existing surrounding area and improve the quality of life of the residents. The green roof fills an urban gap and makes the former void available again to the public. The roof garden creates a meeting point and urban recreational space, safe from cars and also easily accessible with a lift. It

provides a series of areas for different kinds of activities, both exposed to the sun for the colder months and shaded for the warmer months. Technically, all this was realised on the fully laid Floradrain® FD 40-E. The trees on the roof are exposed to high forces due to wind pressure and wind suction, which is why the Robafix® tree anchoring system was used. It is installed without any roof penetration.

System Build-up



Tree Anchorage System Robafix® with tensioning strap, fixing belts, grid elements and anchorage base plates

System Substrate "Roof Garden"

Zincolit® Plus as sub-substrate

Filter Sheet SF

Floradrain® FD 40-E

Protection Mat ISM 50

Roof construction with root resistant waterproofing



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Some architectural elements including the access staircase characterize the new landmark.



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The canopies have an integrated Wi-Fi and USB system that can be used by the garden visitors.



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The complete furniture consists of a harmoniously matching comfortable wood/aluminium-system.



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Thanks to an LED lighting system the roof garden is sufficiently safe also during the hours of darkness.



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The drip irrigation system ensures excellent plant growth, also for the green wall.