

# Project Report Le Méridien Hotel & Convention Centre, Oran



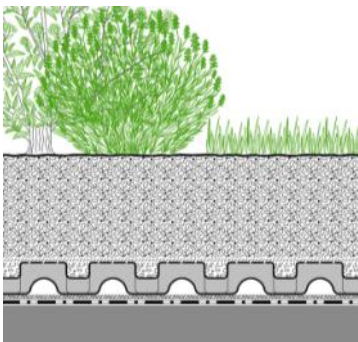
The park resembles an oasis which allows for visitors to walk through.

## Conception

A new spectacular building complex consisting of a convention centre and a 5-star hotel was built on the north-western Mediterranean coast of Algeria. To make it possible to establish an impressive park in the areas with no connection to natural ground, that is to say on the roof of the underground garage, the right structural conditions had to be provided. The high load bearing capacity of the garage roof allowed realizing the

desired intensive green roof, which can even be driven on partly. The planting areas were realized with the ZinCo system build-up "Roof Garden", including a fully automatic drip irrigation system. To secure the 6–8 m tall palm trees against wind uplift huge reinforcement steel meshes have been embedded within the substrate to anchor the large root balls of the trees.

## System Build-up



- Vegetation layer with lawn, shrubs and palm trees
- System Substrate, 200-1000 mm
- Filter Sheet SF
- Floradrain® FD 60 infilled with Zincolit® Plus
- Protection Mat ISM 50
- Roof construction with root resistant waterproofing

## Development



In the planting areas demarcated by stone walls the ZinCo Root Barrier WSF 40 has been laid first.



The filled drainage and water storage element Floradrain® FD 60 was covered with the filter Sheet SF.

**Project Data**

Area: ca. 4.500 m<sup>2</sup>

Construction Year: 2009/2010

Architect/Design:  
IAC Arquitectura, Castellón Plana

Contractor:  
Jardinería Villanueva, S.L., Valencia

System build-up:  
"Roof Garden" with Floradrain® FD 60

Coordinates:  
35°43'35.19"N 0°35'35.89"W



The spectacular view from one of the hotel rooms shows clearly the architectural concept of the park with its circle elements and curved lines.



The curved wooden bridge leads the visitors to the island within the water basin.



The palm trees with a height of up to 8 m, some of them even with multiple stems, were planted by joining forces.

