

PROJECT REPORT



LE MÉRIDIEN HOTEL & CONVENTION CENTRE, ORAN



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

PROJECT DATA

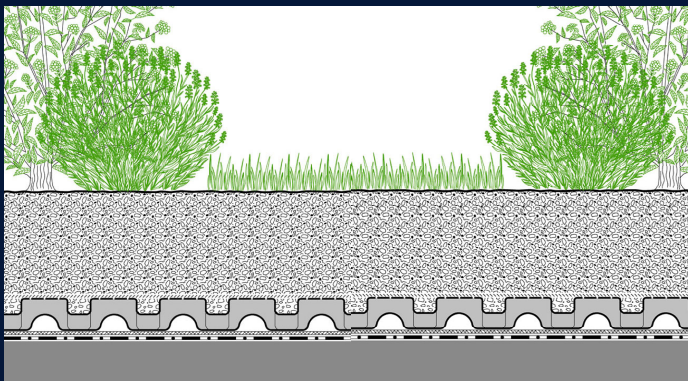
Area: ca. 4,500 m²

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



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

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.



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



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



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

Zinco GmbH

Lise-Meitner-Strasse 2 | 72622 Nuertingen | Germany

Phone +49 7022 6003-0 | info@zinco-greenroof.com | www.zinco-greenroof.com

