

Four Points by Sheraton and Marina | Tripoli, Libya



LANDSCAPE ARCHITECTS:

Mohamed Ben Achour – Architectes
Conseil International – Rue du Lac, Turkana,
Tunis, Tunisia

Mohamed Salah Zlaoui - Alinma Tourism
Investment

IRRIGATION DESIGN:

Francisco García de la Peña

GENERAL CONTRACTOR:

Arena Libya

COMPLETION DATE:

December 1st, 2010

RAIN BIRD SALESPERSON:

Ahmed Elezaby

RAIN BIRD PRODUCTS:

- XFS subsurface dripline
- MDC 250
- PGA (100, 150, 200)
- PRS Dial
- Rain Check
- Valve Boxes VB Series

Project Overview

Sheraton Four Points Hotel and Resort is a business and leisure destination in Tripoli, Libya. The project consists of a 308 room hotel with resort center and accompanying marina. Landscaped with both native plants and turf, irrigating the vegetation becomes critical to the success and feel of this destination spot in the Middle East

Challenges

Water scarcity is the primary challenge and concern. As water resources are restricted to 250 cubic meters per day, the main challenge was to reduce the water demand for the irrigation system. The first step was to replace the overhead sprinkler system with a drip irrigation system. The objective was to optimize the efficiency of the irrigation system.

Solution

Rain Bird's XFS Subsurface Dripline with Copper Shield™ Technology was selected to address the water conservation efforts. XFS subsurface dripline, eliminated all overspray resulting in an estimated water savings of thousands of gallons annually. Wind and evaporation loss were also eliminated due to irrigation through sub-surface dripline. Use of the Easy-Fit Compression fittings facilitated the ease of installation throughout the entire project.