

DEWA Research & Development Centre & Laboratory selects Polypipe's Polystorm

The geocellular water management system will protect the site from future floods.

The largest single-site solar park in the world, the Mohammed bin Rashid Al Maktoum Solar Park, supports Dubai's strategy to transform the region into an international hub for clean energy and green economy.

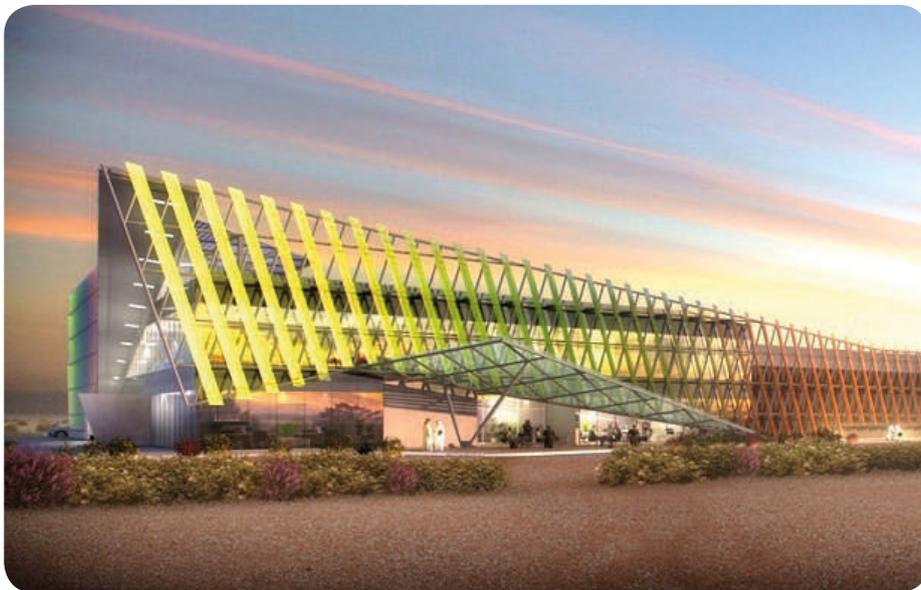
Its Research & Development (R&D) Centre & Laboratory, due to be completed by 2020, needed a stormwater management system to manage surface water on the project to protect it from localised flooding in the future.

The Dubai Electricity and Water Authority (DEWA) required a solution to suit a challenging impermeable surface, made up of mainly rock below

1.5m. Because of this, Polystorm units were installed at a shallow depth, covering a much larger area, to allow more effective infiltration. Polypipe Middle East worked closely with the main contractor to deliver a bespoke solution.

Proven to perform in the Middle Eastern climate, Polystorm is a geocellular water management system, manufactured from virgin polymer to meet current authority specifications. Its efficient material and design means it can store more water in less space, and it can be installed to suit areas of all shapes and sizes, enabling the use of sustainable urban drainage systems (SUDS) on existing and new developments.

Polypipe Middle East was chosen by the client, as they wanted an experienced and credible supplier based in the region. In addition, Polypipe Middle East could meet the project timeline, through efficient delivery of materials in line with site requirements, and fast installation of Polystorm units, compared to traditional systems such as aggregate or concrete.



Polypipe Middle East's ability to offer technical expertise along with durable engineered solutions means we can provide systems that meet with local approvals.

CASE STUDY

Project

DEWA Research and Development (R&D) Centre and Laboratory

Client

DEWA (Dubai Electricity and Water Authority)

Design Consultant

Stantec

Main Contractor

GBH International Contracting

Application

Infiltration

Products used

Polystorm