

CASE STUDY

HIGH-PERFORMANCE NETWORK FOR THE “PEARL GATEWAY”

In the Abraj Quarter, on the approach to the Qatari island known as “The Pearl”, large numbers of buildings are being cabled with a project-specific solution from Datwyler.

“The Pearl”, located near the Qatari capital Doha, is an artificial island of approximately 400 hectares, 300 metres off the emirate’s east coast. Once all the construction projects are complete, it will provide space for 30,000 people.

The intention is that, once completed, the Abraj Quarter, which will be dominated by seven high-rise buildings, will form the “gateway” to the island.

For the data network in the residential and business premises of the Abraj Quarter the project developers wanted a reliable, high-grade and cost-effective structured cabling system which was simple to install.

An end-to-end cabling infrastructure from Datwyler was selected so that future residents, companies and traders could be offered a high-performance network and high-speed connections.

Project-specific solutions

The project encompasses high-rise buildings numbers 3 to 6, each of 42 storeys, together with 30 villas, 130 townhouses and around 2500 parking spaces on a usable floor space of 60,000 square metres. This is Datwyler’s biggest project in the region to date.

Cleopatra Technology W.L.L., a Datwyler Solution Partner based in Doha, had suggested the Datwyler cabling solution to the project developer. It was awarded the contract not only because it met all the requirements specified. Other



important aspects were the G.657.A2 fibres, which conformed exactly to the local internet service provider’s specifications, as well as Datwyler’s project-specific cabinet solutions and their methodical services.

The end-to-end system solution comprises 500 kilometres of low-smoke, halogen-free copper data cable and 28,000 Category 6 RJ45 modules as well as 18,000 single and double data outlets. The fibre optic backbone encompasses 125 kilometres of single-mode cable with up to 48 fibres, patch panels, patch cables and accessories.

As well as this there are 1500 slimline wall cabinets and over 100 server racks with a variety of cable management accessories. All the material was delivered between May and October 2017.

(December 2017)