

The Pearl-Qatar is an artificial island spanning nearly 4million m<sup>2</sup> situated off the eastern shore of Qatar.

There are 10 precincts that make up The Pearl and more than 13 islands. The islands will feature a range of luxury villas, apartments, luxurious hotels and international luxury retail, restaurants, cafes, and entertainment facilities.

The projects contains many crossings and bridges such as Bridge 2, 3, 4&7, 5&6, 8, 9&10, 19, 20 and 35.

The bridge are composed by concrete precast post-tensioned box girders with different width and length.

Freyssinet scope was a supply of PT material, technical support, supervision of duct installation and execution of PT works:

- Complete FREYSSINET C-Range anchorage sets 4 no. type 13C15, 36 no. type 19C15, 74 no. type 27C15, 30 no. type 31C15 and 258 no. type 37C15.
- Post Tensioning Strand to ASTM 15.24 mm Diameter (Approx. 230 tons net excluding wastage) delivered with QA certificates as per project specifications.
- Galvanized PT Ducting 80 mm OD. (Approx. 35m), 95 mm OD. (Approx. 425m), 120 mm OD. (Approx. 1535m), 130 mm OD. (Approx. 4460m) and duct couplers.

## New structures

### Post-Tensioning Works

The Pearl

Qatar



#### Client

United Development Company

#### Consultant

Dar Al Handasah Shair & Ptr

#### Contractor

J&P

#### Construction

Mar 2007 – Oct 2011