

The Residential tower consists of 4B+GF+27F+3RF located in Abu Dhabi, UAE. The existing PT slabs were originally designed and built by Freyssinet.

Due to site issues, portion of the service apartment slabs at 5th & 6th floor levels has undergone large deflection ranged from 4-12 cm.

Freyssinet proposed the followings for the strengthening of slabs at 5th and 6th floors:

1. Thickening of slabs from top by providing anchoring rebar and casting additional layer of micro concrete by MC.
2. Anchoring rebar from the soffit of the slab.
3. Installation of External PT un bonded system of HDPE coated strands.
4. Thickening of slab from soffit with shotcrete by Freyssinet.

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Repairs

Shotcrete Installation

Abu Dhabi Trade Center, UAE



Client

S.S.P.D.

Consultant

Khatib & Alami

Contractor

Ghantoot

Execution

January 2016