

The tower consists of 3B+GF+M+34 typical floors located in Abu Dhabi, UAE.

Freyssinet conducted a design check for 20th floor level slab due to the additional gravity loads coming from a new proposed Jacuzzi and proposed a suitable solution and execution to strengthen the post tensioned slab at that level.

After a design verification, proposed solution was a concrete strengthening with Carbon Fiber Reinforcement to accommodate the losses in PT forces.

The proposed changes were mainly:

- Adding new Carbon fiber wrap to both Service towers and
- Installation of new carbon rods in the vertical and horizontal member junction for anchoring the TFC into the vertical members.

Repairs

Slab Strengthening

Al Jazeera Tower,
Abu Dhabi - UAE



Client:

H.E. Dr. Mana Al Otaiba

Consultant:

Al Suweidi

Contractor:

Ghantoot

Execution:

August 2015