

# TIARA HOTEL DUBAI, UAE

**CCL Client:** Dubai Real Estate Corporation  
**Consultant:** Engineering Consortium Consulting Engineers  
**Main Contractor:** Arabtec Construction LLC  
**Project Date:** September 2015



Tiara Hotel and Residences is a beachfront community located along the upper-right side of the trunk of the Palm Jumeirah.

CCL designed and installed the post-tensioning for the Tiara hotel in 2008 with the two hotel towers each having 22 floors and a total area of around 60,000 square meters.

In 2015, the client wanted to make some architectural changes to the building which would result in a change in loading. CCL was commissioned to check the feasibility of the changes in loading and what effect they would have on the post-tensioned slabs. New corings would also be required to allow installation of new MEP services.

CCL undertook a design check for new load acceptance and as a result designed, supplied and carried out the application of the required strengthening works CFRP and External Post-Tensioning.

The company also executed the slab corings making sure these were in the exact location where services were needed, while minimizing the numbers of tendons cut by the new corings.

Repair and Strengthening - CCL Gulf

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