

SELECTED PROJECT

- ▶ **Motor City - Dubai - U.A.E.**
- ▶ **Client: Laing O'Rourke**

ADG value engineered a foundation alternative for this mixed use residential development in Dubai. The Post Tensioned Raft system was the first purely PT raft to be approved by Dubai municipality. This was gained by presenting an integrated solution considered superstructure through to basements and foundations. The superstructure design was also completed by ADG, being constructed with some 2500 tons of post tensioning

The alternative allowed the project to progress into the superstructure while adjoining stages, completed conventionally, remained in the piling phase.

The superstructure design incorporated Post tensioned flat slab design solutions.

Columns and perimeter parapet details incorporated precast elements to limit site works to horizontal construction.

ADG continued with the motor city development providing MEP and structural services to the theme park stage.

The first pure post tensioned raft foundation system approved by Dubai municipality



MOTOR CITY, DUBAI, U.A.E.



UNITED KINGDOM OFFICE

Address: Unit 311, The Blackfriars Foundry,
 156 Blackfriars Road,
 London. United Kingdom,
 SE1 8EN
 T: +44 (0) 207 9533850

WWW.ADGCE.COM