



**Client**  
RCQ Construction  
**Location**  
Mackay, Queensland

## Carlyle Apartments

STRUCTURAL / CIVIL & ENVIRONMENTAL / DEVELOPMENT AND CONSTRUCTION

**Mackay, Queensland**

ADG in association with our client undertook a detailed Value Engineering exercise which enabled the developers challenging construction budget to be met.

Finite element Analysis of the soil profile and raft foundation interaction enabled piles to be deleted from the project. Detailed analysis of the podium including Post Tensioned alternatives allowed further construction cost savings to be realised.

The project was documented utilising REVIT Structures Suite which delivered to our client a data rich 3D model inclusive of material schedules.



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