

Dubai Airport Completion Works



Client: Dubai Civil Aviation Authority
Contractor: Al Ghandi Balfour Dutco BB JV
Engineer: Dar al Handaseh

Scope: Design and Supply of
MSE Boundary Walls

In August of 2004, VEGEO were asked by the Contractor, at the suggestion of the Client, to provide a Value Engineering alternative for a boundary wall as part of the Dubai Airport Completion Works, DCA Contract AX-151. The boundary wall had originally been designated as a modular block structure and the Client was concerned that the Modular Block option would not meet the security or aesthetic requirements of these important structures located immediately adjacent to the Ruler's private hangar facility.



Value Engineering: VEGEO proposed its Alviterra Alvitrac™ soil reinforcement system incorporating T-shaped panels and polyester soil reinforcement. Our design work included developing all the layouts and integrating the design of the security fence and its independent foundations. The wall and security fence were detailed to provide a pleasing appearance. Design was undertaken in accordance with AASHTO Bridge Design Specifications and allowed for potential seismic loadings.

Site Support: Work on the structures was commenced in late January 2005 and was substantially completed in April. VEGEO provided full time site supervision to the Contractor in order to ensure that the finished works met the Client's exacting quality requirements.

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