



Case study 21: Project Allenby/ Connaught, Wiltshire and Hampshire, Ormandy Group

Benefits

Time: the programme for each building was reduced from a planned 37 weeks to just 14 weeks (a 62 per cent reduction in overall time)

Cost: reduced site supervision and management plus reduced labour on site

Quality: defect free on commissioning

Sustainability: reduced material waste

Health and safety: no reported accidents on site

Client: Aspire Defence Ltd / MoD

The Project

Project Allenby/Connaught is the £8bn services and accommodation rebuild project for the army garrisons around Salisbury Plain and in Aldershot. This is the largest modular construction project so far in the UK. The construction budget is £1.2bn.

Ormandy's multimillion pound contract included the supply of 153 fully fitted plant rooms including boilers, calorifiers, pumps and controls. The modules also included renewable energy installations including solar and CHP plus rainwater harvesting. All modules and installations were tested at Ormandy's works in Halifax West Yorkshire prior to delivery to site and installation into Junior ranks single living accommodation.

Challenges for Ormandy included:

- a significant reduction in the timescale allowed by the client for the design of the initial units

- integrating production within Ormandy's existing manufacturing facility
- controlling the weight of the finished units
- construction of 14 plant rooms before first commissioning.

The first installation commenced on site in November 2006 with the final module installed in June 2011.

The key factors that influenced to client's decision process to go with the off-site solution where as follows:

- speed of construction
- reduced requirement for site labour and security clearance
- the lack of skilled labour available in the local area
- finished quality with plantrooms tested prior to delivery
- onsite health and safety benefits
- reduced site supervision and management.

Manufacture of plantrooms in Halifax

Lifting and positioning of plant rooms onsite

Initial phase of construction with one building commencing each week

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