

Location: London

Client: Olympic Delivery Authority

Frame Contractor: PJ Carey N03&04, Knight Build N15

Main Contractor: Bovis Lendlease

Post-tensioning Design: CCL

Post-tensioning Installation: CCL

Year of Completion: 2009



The £2 bn Olympic Athletes' Village was situated in the Olympic Park that hosted the London 2012 Olympic Games, allowing athletes to live within walking distance of the competition venues.

The development included 11 residential blocks, each made up of five to seven buildings, where thousands of athletes and officials stayed during the London 2012 Games. As well as accommodation, it comprised shops, restaurants, medical, media and leisure facilities.

CCL supplied and installed its flat slab bonded post-tensioning system for three of the residential plots; one plot for Knight Build and a further two plots for P.J. Carey.

The company was awarded the projects because of its operational experience, technical knowledge, competitive price and pragmatic approach. The development objective was to achieve a flat soffit within the tight floor-to-floor heights whilst maintaining a minimal slab depth. The use of post-tensioned slabs allowed the structure to achieve the reduced slab thicknesses.

CCL delivered numerous presentations to all parties involved (Building Control, Bovis Lend Lease, Robert Bird & Partners, P.J. Careys, Knight Build etc.), including an operational workshop that explained the installation and on-site coordination process for construction managers.

Immediately after the Olympic Games, the village became part of Stratford City's overall regeneration scheme, which now includes a new regional shopping centre with additional leisure, office and residential areas.