

## Lee Valley White Water Centre Project Summary

Lee Valley White Water Centre is the first purpose-built venue completed for the London 2012 Olympic and Paralympic Games and the only new venue people can use in advance of the Games.

Lee Valley White Water Centre was funded by the Olympic Delivery Authority (ODA), Lee Valley Regional Park Authority (LVRPA), East of England Development Agency and Sport England. The ODA was the client for this venue which will be used for the Canoe Slalom events at the London 2012 Olympic Games. LVRPA was the primary stakeholder as land owner and operator of the venue both before the Games and in Legacy.

Drivers Jonas Deloitte (DJD) were appointed by the ODA in 2006 to develop the design of the entire venue. This design was taken from feasibility through to a detailed design during a three year period. The DJD team consisted of the following principal members:

- **Drivers Jonas Deloitte (DJD)** – Project Management and Contract Administration
- **FaulknerBrowns** – Architecture and Lead Designers
- **Cundall** - Civil, Structural, Hydraulic, Geotechnical, Mechanical & Electrical Engineering
- **Whitewater Parks International (WPI)** – Specialist Whitewater Course Designers
- **Michael van Valkenburgh Associates (MVVA)** - Landscape Architecture

Other consultants were engaged for the quantity surveying, planning application, and transportation aspects.

The DJD team developed the design following extensive research and consultation with all stakeholders. This design secured planning permission in September 2008 and included the following components:

- 300m long Olympic Competition Course on engineered-fill embankment of 2–6 m high
- Olympic course pumping station and start pool
- 160m long Intermediate / Training course on an engineered-fill embankment of 2 m high
- Intermediate course pumping station and start pool
- Combined finish pools and water supply lake of 24,000m<sup>3</sup>
- Facilities building enclosing the changing, boat storage, control and support facilities
- Site infrastructure and landscaping on engineered fill

The DJD team developed the approved design into a detailed performance specification for the venue including drawings and technical specifications illustrating a 'compliant design' for the tender process. The scheme was tendered on a Design and Construct basis and during the tender period the contractor satisfied themselves that the design provided was compliant with the specification and committed to building that scheme.