



A medal winning performance for London 2012

Case Study
London 2012

ACO. The future of drainage



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The Project

ACO Building Drainage played a key role in the construction of the Velodrome and the Aquatics Centre.

The Brief

The Velodrome comprises three concrete tiers which can seat 6,000 spectators. The contractors needed a drainage supplier that could complete extensive surveys to ensure site drainage would link up with mains drainage, specify the wide range of products required to meet the challenging requirements of the location and install the systems to a tight deadline.

Drainage was also required for both the internal and external parts of the Aquatics Centre. Designed by Zaha Hadid Architects, the Aquatics Centre features a spectacular 160-metre-long roof and formed part of the gateway into the Olympic Park. With such as prestigious architect driving the project, quality and performance were key specification criteria and the key reasons why contractor Balfour Beatty chose ACO Building Drainage to manage both internal and external drainage.

The Solution

Around the Velodrome concourse 250 metres of ACO Building Drainage products were specified. ACO Building Drainage also provided 100mm-wide galvanised external walkway channels that feed into GMX down pipes - exceptionally robust steel pipes which benefit from high dimensional stability.

At the Aquatics Centre, ACO Building Drainage provided more than 600 metres of bespoke drainage. Externally, drainage primarily comprised galvanised steel channels for the temporary stands, podium drainage in corrosion-resistant stainless steel and 3D drainage which matched the complex geometry of the roof.

Internally the main requirement was to supply drainage for the changing rooms plus additional drainage for the surround around the Aquatics Centre's pool areas.

“The specifications for this project were not straight forward with drainage components longer than a third of a mile required for both internal and external locations and exacting design requirements to be met. It is a testimony to our team's capabilities that we were able to design, deliver and install bespoke products in high volume and to exceptional levels of performance, finish and durability.”

**Andy Buchan, Managing Director,
ACO Building Drainage**

The Products

- 100mm-wide galvanised external walkway channels
- High dimensional stability steel pipes
- Podium drainage in corrosion-resistant stainless steel



For more information on our bespoke design and fabrication services, contact ACO Building Drainage on 01462 816666 or email abdtechnical@aco.co.uk

A full overview of ACO Building Drainage products and services is available at www.acobd.co.uk

ACO Building Drainage, A division of ACO Technologies plc
ACO Business Centre, Caxton Road, Bedford, Bedfordshire, MK41 0LF

