

Case Study: **2012 Olympics Aquatic Centre, London.**

The first of the buildings on the grounds of the 2012 Olympic Games to be completed.

Geberit pipework provided the solution to the complex construction as its flexibility suited the unusual shape of the building.



↑ Inside the Aquatic Centre designed by Zaha Hadid Architects.

→ Project Overview:

The first of the buildings on the grounds of the 2012 Olympic Games to be completed, the Aquatics Centre was designed by Zaha Hadid Architects. The building, which was in the public eye around the world for the duration of the three-week long sporting event, featured a curved, parabola-shaped roofline, whilst the ceiling, walls and windows inside the building also undulated.

The site was 45 metres high, 160 metres long and 80 metres wide. The wave-like roof spanned 11,200 square feet. The building's curving roof proved to be one of the most complex

engineering challenges of the Olympic Park construction, and Geberit pipework provided the solution, as its flexibility suited the unusual shape of the building.

Geberit's Duofix installation system, along with Geberit HDPE, Geberit Mapress Carbon Steel and Geberit Mapress Copper piping systems were all specified, meeting the project's demands for reliability, ease of installation and sustainability. The longevity of the pipework installed in the venue was key to their specification, as the Aquatics Centre was to remain as a permanent structure.

→ Why Geberit

One of the key requirements of such an unusually shaped building was flexibility of the pipework, making Geberit Mapress the natural choice.

The curved, parabola-shaped roof line of the Aquatics Centre required a piping system that was not only easy to install, but that was also able to be bent to accommodate the shape of the structure. With such a high-profile building which is intending to remain in place long after the Olympics, it was also imperative that the system was leak-free and offered longevity along with ease of maintenance. Geberit Mapress met these demands on every level.

→ www.geberit.co.uk

→ **Geberit Know-How**

Geberit Duofix

Geberit HDPE

Geberit Mapress Cabron Steel

Geberit Mapress Copper

→ **Project information**

Building: Olympics Aquatics Centre

Location: London, UK

Contractor: Balfour Beatty,

Plumber: Pipetech

Project Completion: July 2011



↑ Geberit Mapress piping system used throughout to accommodate the shape of the roof.