

# HVM from Weymouth to Newcastle

Olympics venues' temporary protection from vehicle and crowd attack



## The Challenge

London 2012 organisers wanted to protect temporary Games venues as securely as the main Stratford site. But they needed the perimeter protection to be removed as soon as competition was over to minimise disruption to the local community.

They also wanted to incorporate vehicle and pedestrian access along with CCTV and detection systems and to tailor protection individually to each location and the security threat and attack potential identified by security advisers.

## The Solution

Zaun offered a single Hostile Vehicle Mitigation (HVM) contract for almost 5km of fencing all temporary venues to include Horse Guards Parade, Wembley Stadium and Arena, Greenwich Park, the O<sub>2</sub> Arena, the Royal Artillery Barracks, St James's Park Newcastle and Weymouth sailing village.

It developed a mobile high-security HVM fence especially for the Games, mounting its PAS 68 Multi-Fence® into concrete blocks to resist attack by 7.5 tonne vehicles driven straight at it at 40mph.

Multi-Fence uses anti-climb mesh fencing, and is available up to 5m high.

It is one of the first temporary solutions to achieve PAS68: 2010 V7500(N2) 64/90: 5.0/0.0, is manufactured to BS EN 1317 Part 2 (vehicle restraint systems) and is approved by the Highways Agency.

The solution at each venue had to work with existing security and perimeters. Typically this entailed another 'cordon of security' around existing installations with access portals at strategic locations.

Zaun secured the main TV and temporary CCTV control centres at Horse Guards and made Wembley safe – then dismantled the security cordon as soon as the last ball was kicked.



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**My team insisted on security enhancements wherever we saw a potential threat. Zaun proved to be uniquely responsive to our specific demands and tailored every installation to our needs.**

## Key Project Data

<b>Sector</b>	High Security Venues
<b>Sub-sector</b>	Sports Stadia
<b>Project scope</b>	Temporary Hostile Vehicle Mitigation Crowd Control Fencing Solution
<b>Services provided</b>	Design; Manufacture / Fabrication; Build
<b>Project location</b>	Greater London, Newcastle, Weymouth
<b>Client</b>	Olympic Delivery Authority
<b>Contractor</b>	FM Conway, ISG, John Sisk
<b>Budget</b>	> £1m