

## Royal Artillery Barracks secured

Zaun ensures Olympics shooting is just for Games and not for real



### The Challenge

The Royal Artillery Barracks in Woolwich made for a stunning venue for the London 2012 shooting competitions. But organisers knew that the ease of access and the number of roads in the area rendered the temporary shooting ranges and grandstands potentially vulnerable.

Given the arsenal within, they needed a temporary perimeter that would remain in tact even under deliberate attack by vehicles or people – and yet that could be removed once the Games were over with no damage to the 18th century site.

### The Solution

Zaun developed a mobile high-security fence with Hostile Vehicle Mitigation (HVM) especially for the London 2012 Olympics, mounting its PAS 68 Multi-Fence® into concrete blocks to resist attack by 7.5 tonne vehicles driven straight at it at 40mph.

Zaun installed 2km of Multi-Fence and access gates around the Royal Artillery Barracks site and added HVM enhancements, detection systems and CCTV to secure the entire venue.

Multi-Fence uses anti-climb mesh fencing, and is available up to 5m high. The fence posts are mounted in concrete

blocks that, due to an ingenious bolting method, can follow a curve or go from a flat surface to an incline with ease.

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

It is ideal for supporting crowd control at key events or for permanent installations at airports, freight terminals and ports, as no below-ground foundations are required and they can be used on soft and hard standing.



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**Zaun individually tailored the installation to meet the specific security threat and vulnerability to attack at the shooting venue and ensure the level of security was as high as at the main Olympic Park.**

### 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>	Woolwich, SE London
<b>Client</b>	Olympic Delivery Authority
<b>Contractor</b>	FM Conway, John Sisk
<b>Budget</b>	< £1m