

REIDsteel

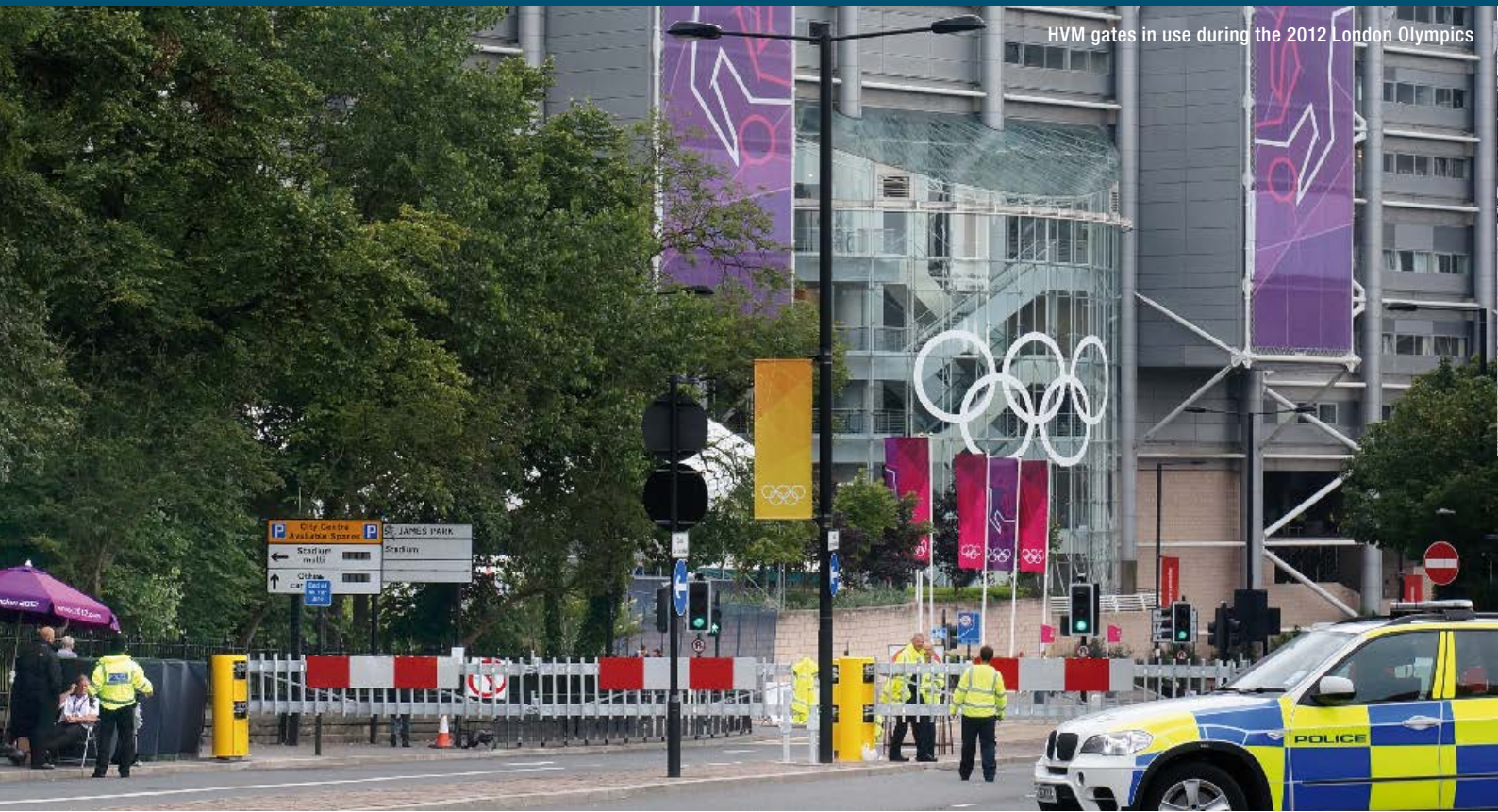
DEFENCE STRUCTURES

**Contractors for purpose
designed & built security
structures for large scale
events, national infrastructure
and the military.**

Design, fabrication and supply
of many types of steel framed
structures including:

- road barriers & gates
- vehicle checkpoints
- headquarter buildings
- barracks
- hardened hangars
- mortar resistant roofs
- bunkers
- observation posts
- blastwalls





Your Security, *our solutions . . .*

- Large Scale Events
- National Infrastructure
- Military

REIDsteel have supplied steel structures to almost every country in the world. We are renowned for being at the leading-edge with our sustainable and economical designs and believe in producing high quality structures within budget and schedule.

What makes REIDsteel unique is our complete envelope operation. Our sales engineers, designers, draughtsmen, and fabrication, shipping and erection teams all work to produce a structure bespoke to the client's needs. From concept to completion we do it all.

REIDsteel are rated A1 (highest) on the Register of Qualified Steelwork Contractors, meaning we have the finest skills, experience and resources to design and fabricate every form of structural steelwork. Using this expertise we build defence structures, aircraft hangars, bridges, warehouses and grandstands.



REIDsteel

**Innovative design and solutions
for governmental, military and
commercial clients around the world.**



Dragon's Teeth and gates



Reservoir cover



HVM Gates at power station entrance



HVM gate and Dragon's Teeth with covers

Olympics

For the 2012 London Olympics, REIDsteel supplied 55 of our Anti Vehicle attack gates and security barriers across the country. The twin bollard gates system offers openings of up to 12m, and the Dragon's Teeth system is suitable for perimeter protection of commercial operations that have vulnerable boundaries such as airports, or energy/utility sectors and is also an ideal reusable solution for major event organisers as it surface mounted, cost effective and easy to deploy. This successfully aided the prevention of attack and upheld the subsequent safety of all who attended the events; athletes, dignitaries and members of the public alike.

See pages 4 & 5 for the detailed PAS68 testing for our Dragon's Teeth and Gates.

Reservoirs

Expansive areas such as reservoirs may need to be covered to resist environmental attack, and REIDsteel's expertise with construction of very large structures enables us to supply appropriate protection.

Our reservoir covers also reduce the volume of water lost by evaporation in sun and wind.

REIDsteel recently designed and fabricated a complete enclosure for a large man-made reservoir measuring 200m by 130m, nearly four times the area of Wembley football pitch.

The project involved the design of a special 'fall arrest' system, which protected construction operatives as they worked on the roof over the huge span of water.

Power Stations

Where both regular vehicle access and security is important, a BSi PAS68 tested REIDsteel bollard anti-lorry gate can be installed as a permanent deterrent. These promise better HVM security than regular industrial gates.

Chevron covers can be supplied in a range of colours and can include company logos.

Hostile Vehicle Mitigation (HVM) Barriers

REIDsteel are proud to have successfully tested a range of barriers and anti-lorry gates to the BSi PAS 68 test specification.

Contact:
sales@reidsteel.co.uk



1

Dragon's Teeth with straps

- Restrained & immobilised vehicle

PAS 68:2007 test

- V/7500[N3]/80/90:7.9/0



2

3.5m Access Gate - Dragon's Teeth

- Restrained & immobilised vehicle

PAS 68:2010 test

- V/7500[N2]/64/90:6.1/0

The Dragon's Teeth were initially designed for military applications, the requirement was for a barrier to provide protection against attack from VBIED (Vehicle-Borne Improvised Explosive Device). Our brief stated it should be inexpensive, simple to assemble and easy to deploy with no foundations. *REIDsteel* successfully met this challenge during vehicular (7.5t truck) and blast testing.

With its unique design, it is ideally suited in providing perimeter protection against VBIED and other attacks to any commercial operations that have vulnerable boundaries such as airports, or the energy and utility sectors. As there is no need for foundations it is also appealing to major events organisers as a temporary reusable solution.



3

6m Access Gate - Dragon's Teeth

- Restrained & immobilised vehicle

PAS 68:2010 test

- V/7500[N3]/80/90:11.8/0



4

4.5m Access Gate - twin bollards

- Restrained & immobilised vehicle

PAS 68:2010 test

- V/7500[N3]/64/90:7.8/0



5

12m Access Gate - twin bollards

- Restrained & immobilised vehicle

PAS 68:2010 test

- V/7500[N2]/64/90:1.0/9.3

We then went on to design and successfully test a range of gates to fit within our Dragon's Teeth which can be easily deployed and are also either permanent or temporary installations.

REIDsteel then expanded on its above ground range and successfully tested a more aesthetically pleasing bollard gate range for the commercial market, with the largest opening of a twin leaf gate being 12m, wide enough to close off a four lane roadway.

TESTED TO:

PAS 68
N2/N3



REIDsteel Defence Structures are contractors for blast resistant military buildings and other critical infrastructure, specialising in purpose made force protection against a variety of threats including bomb blast protection and explosion mitigation solutions.

We build, supply and erect a range of products including defensive barracks, headquarters buildings, hangars and hardened hangars, observation posts, road barriers, observation posts, dangerous goods stores, vehicle checkpoints and workshops.

Contact: sales@reidsteel.co.uk

Mortar Roofs and Rocket Screens

These can be built over and around existing 'soft skin' buildings or deliberately as new buildings to protect people and equipment in hospitals, barracks, generators etc.

We have added our REIDsteel mortar roofing to many buildings, including a barrack dining facilities we designed and built in Baghdad. This structure has been caught up in conflict twice and has incurred no structural damage or harm to the people within. It has been acclaimed as the safest place to eat in the whole country!



Bunkers

A good bunker will protect people, protect goods and protect installations around dangerous goods.

REIDsteel manufacture and supply defence bunkers with dimensions to suit. We have made them 50m wide and 70m long and 5m clear height, for example.

Our design is light, air portable, easy to assemble, and entirely re-locatable if needed. Ideal for use as a Forward Operating Base (FOB) to help your units stay safe, comfortable and effective.

Blast Resistant Walls & Gates

People and facilities can be protected from blast by our blast walls and blast resistant gates. These are steel framed structures which can be hardened with concrete.

Cover From View

Sensitive area should be fenced off with cover from view screens. These prevent hostile observation and aimed fire and are usually installed along with observation posts, gates and barriers.

Barriers

Barriers are designed to prevent vehicle access and stop vehicle borne threats. They can be surface mounted or in concrete foundations. They can have climb proof fencing and gates.



REIDsteel DEFENCE STRUCTURES

Since its establishment in 1919, REIDsteel have supplied steel structures to almost every country in the World.

We are rated A1 (highest) on the Register of Qualified Steelwork Contractors, meaning we have the skills, experience and resources to qualify us to design and make every form of structural steelwork. We are renowned for our innovative, economical designs, which achieve a high quality, reliable product at minimum cost. Value for money is our aim.

As well as our anti vehicle attack gates & security barriers, and our Defence Structures range of blast resistant products we design and build aircraft hangars, bridges, warehouses, grandstands & stadia. We also have our own glazing and marine divisions.



Above: 6m anti lorry gate, ready for despatch

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The Queen's Award
for Enterprise
International Trade