Bi-Steel Update – G20 2009 Special Issue

Welcome to the latest issue of our monthly Bi-Steel Update. The aim of this brief newsletter is to share details of the latest developments within the Bi-Steel business. We welcome your input - if you have ideas to share or successes to shout about, please get in touch. Have a good month!

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Quick Link Lite barriers

Pedestrian portal and barges

Arrestor wire rope system

Bi-Steel Protects G20 Summit

From the moment President Barack Obama stepped off Air Force One at Stansted Airport on 31 March 2009, the world's most powerful leader was being protected by Bi-Steel.

This started with the permanent Bi-Steel wall system outside the main terminal building at the Airport (installed to protect against vehicle bomb attack) followed by temporary Bi-Steel perimeter protection measures around the US Ambassador's residence in Regent's Park (where the President was staying) and at the Summit venue, the ExCel conference centre in London Docklands. In addition, visits to Number 10 Downing Street took place behind protective measures currently installed in Whitehall, which incorporate the Bi-Steel bollard system, as well as Bi-Steel walls and balustrades disguised under traditional Portland stone.

Bi-Steel General Manager, Jurek Tolloczko, takes us on a tour of the G20 Summit, providing an insight into the hard work involved in the design, testing, manufacture and delivery of a perimeter protection solution for one of Bi-Steel's largest single security projects to date.

"We had known for some time through our Home Office and Sussex Police contacts that Bi-Steel barriers would be used at the G20 summit, although we didn't know early on what would be required, or where the deployment would take place. We were asked to design and test several new perimeter protection products to PAS 68:2007* specifications. These included the new *Quick Link Lite* rapidly deployable Bi-Steel barrier system, and the innovative *Arrestor* wire rope system (developed in collaboration with Bristorm) for the protection of large perimeters.

"Our engineering and CAD teams had to move fast to work up the correct designs, followed by swift manufacture of the prototypes, then testing - all within a three-month window. Our hearts were in our mouths several times as we watched the test trucks head at speed towards the prototypes at the TRL test track, but the new products passed with flying colours!

"When we received the order from Sussex Police for a major expansion to their existing National Barrier Asset - a £1 million contract - the race was on to manufacture everything in time for use at the G20 Summit.

PAS 68:2007: specification for vehicle security barriers
This Publicly Available Specification (PAS) has been prepared to address the needs of organisations who wish to have assurance that vehicle security barriers will provide the level of impact resistance that they seek.

"Fast forward to the weekend before the Summit when implementation of the G20 security measures began. The original heavy-duty NBA Bi-Steel barriers, gates and portals were installed around the ExCel Centre for the Summit itself. Meanwhile, in Regent's Park our new rapidly deployable *Quick Link Lite* units and over 2½ km of the new *Arrestor* wire rope, accompanied by 75 Bi-Steel barge-shaped barriers, were arranged around the US Ambassador's residence. Bi-Steel pedestrian portals were positioned to allow the free flow of pedestrians where required through the perimeter of barriers, whilst Bi-Steel barges and swing gates protected the main entrance.

"Deploying the entire NBA simultaneously across 2 locations required a concentrated logistics effort. Steve Morle from our delivery services team, myself and some colleagues from our partner company Emtrade, spent the weekend helping main contractor Hardstaff Traffic Barrier Services with the installation - remaining on hand to assist with any technical or practical issues. The schedule was tight and installing the new *Arrestor* for the first time at such a high profile event was challenging - plus we had to avoid any damage to the US Ambassador's lawn!

"On the morning of Wednesday 1 April everything was in place and wherever the President, his wife, and the US security service went, Bi-Steel was in evidence.

According to Tony Duffell, National Barrier Asset Manager, Sussex Police, *"This has been one of the most high profile and challenging security projects we have worked on and I am pleased to confirm a successful outcome. Our colleagues at Corus Bi-Steel pulled out all the stops to design, test and manufacture the new units we needed for this event within a very tight timeframe. The Company's staff have proven to be highly knowledgeable and helpful - constantly striving to develop and refine their products, whilst providing the highest levels of service and support."*

"This event was an excellent showcase for our full range of Bi-Steel perimeter protection products and clearly demonstrated the benefits of the new *Arrestor* wire rope system as a turnkey security solution for temporary venues and events.

"Let's hope the long term results of the G20 Summit are considered such a success!"

The NBA - what is it?

The National Barrier Asset (NBA) is a stock of barriers, including Bi-Steel anti-attack vehicle barriers, used to protect people and property against attack from vehicle borne improvised explosive devices (VBIEDs). Owned by Sussex Police, the NBA is available for use by all UK police forces, typically on a short term basis, for deployment at security sensitive sites or major events such as political conferences, state visits and sports meetings.

The Bi-Steel stock consists of a range of barriers in different shapes (barges, straights and curves including the new *Quick Link Lite* and the *Arrestor* systems), heavy-duty gates and pedestrian portals, which can be arranged around a site to control vehicle access and protect against a vehicle bomb attack.

The NBA was developed through close collaboration with the Government security service to address an increase in terrorist activities involving suicide attacks using cars or trucks loaded with high explosives. Concrete blocks and bollards were previously used, but they were considered ugly, inflexible and could shatter into dangerous fragments on impact or when subjected to explosive blast.

The NBA is highly effective, has been expertly engineered, and we are unaware of any similar systems available across the globe. That's why US security service personnel were so interested in Bi-Steel when they saw it being installed in London last week!