

## CASE STUDY

### DIAQUIP DIAMOND BLADES



#### OVERVIEW

|                |  |
|----------------|--|
| The Company:   | Robore Cuts Ltd.                                     |
| Project:       | Marble Arch Subway                                   |
| Location:      | London, UK   |
| Employees:     | 100+   |
| Industry:      | Diamond Cutting and Controlled Demolition Contractor |
| Customers for: | 15+ years  |
| Website:       | www.robore.com                                       |

#### Robore Cuts Ltd.

Robore Cuts is one of the UK's leading Diamond Cutting and Controlled Demolition contractor, providing a specialist service to the construction industry, both nationally and internationally.

The company was formed in 1986 and is now one of the largest organisations of its kind.

Robore Specialises in Diamond drilling, Diamond sawing, Concrete crunching, Concrete bursting, Concrete chasing and controlled demolition.

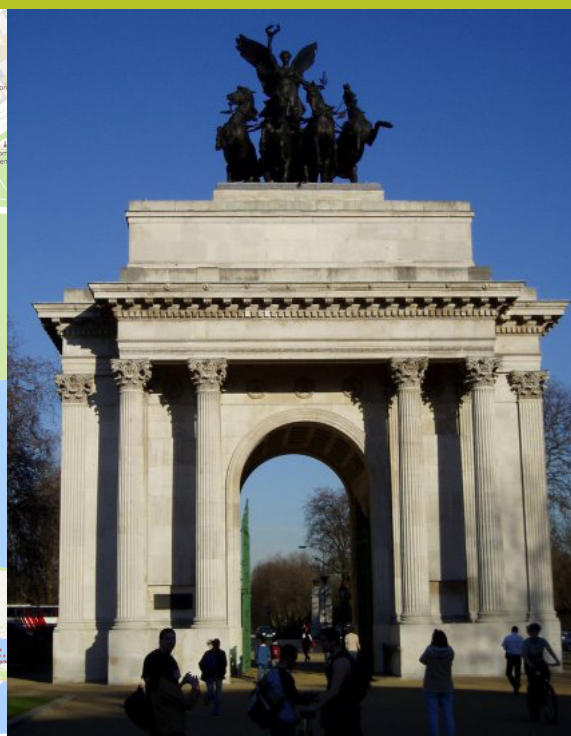
#### THE CHALLENGE

Robore Cuts were called in to carry out the concrete cutting aspect of the Marble Arch subway project. The job was located near to the Marble Arch in Hyde Park - London, UK.

The Marble Arch had a four subway underneath it, with four entries, one on each side of the arch. These had to be filled in, due to the potential terrorist threat of placing explosives under the Arch. Robore's task was to level off the subway entrances, by cutting the retaining walls down.

As with most concrete structures in London, the aggregate in the walls was Flint. This aggregate is the hardest in Europe, over twice as hard to cut, and twice as demanding on the life of diamond consumables as any other aggregate.

Added to this, there was the usual steel re-enforcing bars throughout the cuts. Approximately 180m of sawing at 350mm deep was needed to level all of the subway entrances.



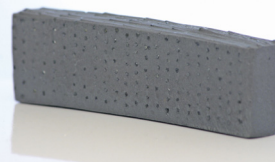


## THE SOLUTION



Robore Cuts insist on only the best diamond tool sfor their operators, maximising efficiency on the job. They chose the market leading blade, Aero Matrix Wallsaw blades.

Once cutting began it was soon evident that the Aero Matrix was performing significantly better than other blades. This is down to the fact that the Aero Matrix blades have the diamond positioned in a honeycomb effect, as opposed to rows, ensuring that there is more efficient use of the diamond on the surface of the cut at all times.



**AERO**<sup>®</sup>

## THE RESULT

The Aero Matrix blade performed extremely well on this site, along with many other sites throughout not only the UK, but worldwide. The key to it's success is in the positioning of the diamond - not just positioned in standard rows, but in alternating lines to create a honeycomb effect.

The honeycomb effect means that there is always diamond on the cutting edge of the segment, hence increasing not only the speed of the cut, but the life of the segment due to increased slurry removal.