



UK based concrete drilling and sawing specialist Holemasters Demtech Ltd were chosen to undertake a large stitch drilling job in New York Street, Manchester.

Property developers Bruntwood Estates embarked on a redevelopment project in the commercial centre of Manchester, York Street. This involved demolishing the old building and constructing a new state of the art office block. To make way for the new development, the basement of the old building had to be drilled and piled. Contractor Sir Robert McAlpine called in drilling and sawing specialists Holemasters Demtech Ltd to cut pockets out of the concrete basement slab so piling could begin.

Extensive Concrete Cutting

When it came to drilling thousands of holes 112mm diameter, 1.2m deep, in reinforced concrete, Holemasters Demtech Ltd had to get the best diamond core drill for the job. A few less minutes per hole, and a couple more holes per core drill, would make a huge difference to keeping within the budget, and hitting the completion date of the large project.

Heavy Steel

Drillers soon found 60mm and 100mm thick steel plates running through some of the cutting area, which looked to be a big problem early on in the job. However, Holemasters Demtech found the AERO® Core Drill was quick, even when drilling pure steel, and a lot faster than at first expected.

Core Drill Trials

Testing to find the best bit was not a problem as Holemasters had more than eight hydraulic drill set-ups on the site, alongside each other, each with the same motor speed, and all drilling the same concrete. Each set up had a hydraulic autofeed. These conditions ensured there were few variables in the testing process. Holemasters tested core drills from six different companies and it soon became clear that the AERO® Core Drill came out on top as the best product, on speed and life.

New York Street

Progress to date

Holemasters Demtech completed most of the basement slab drilling in eight weeks to specification and with maximum efficiency, fulfilling Sir Robert McAlpine's requirements and leaving Bruntwood Estates happy with the progress on the project.

Strong Market Presence

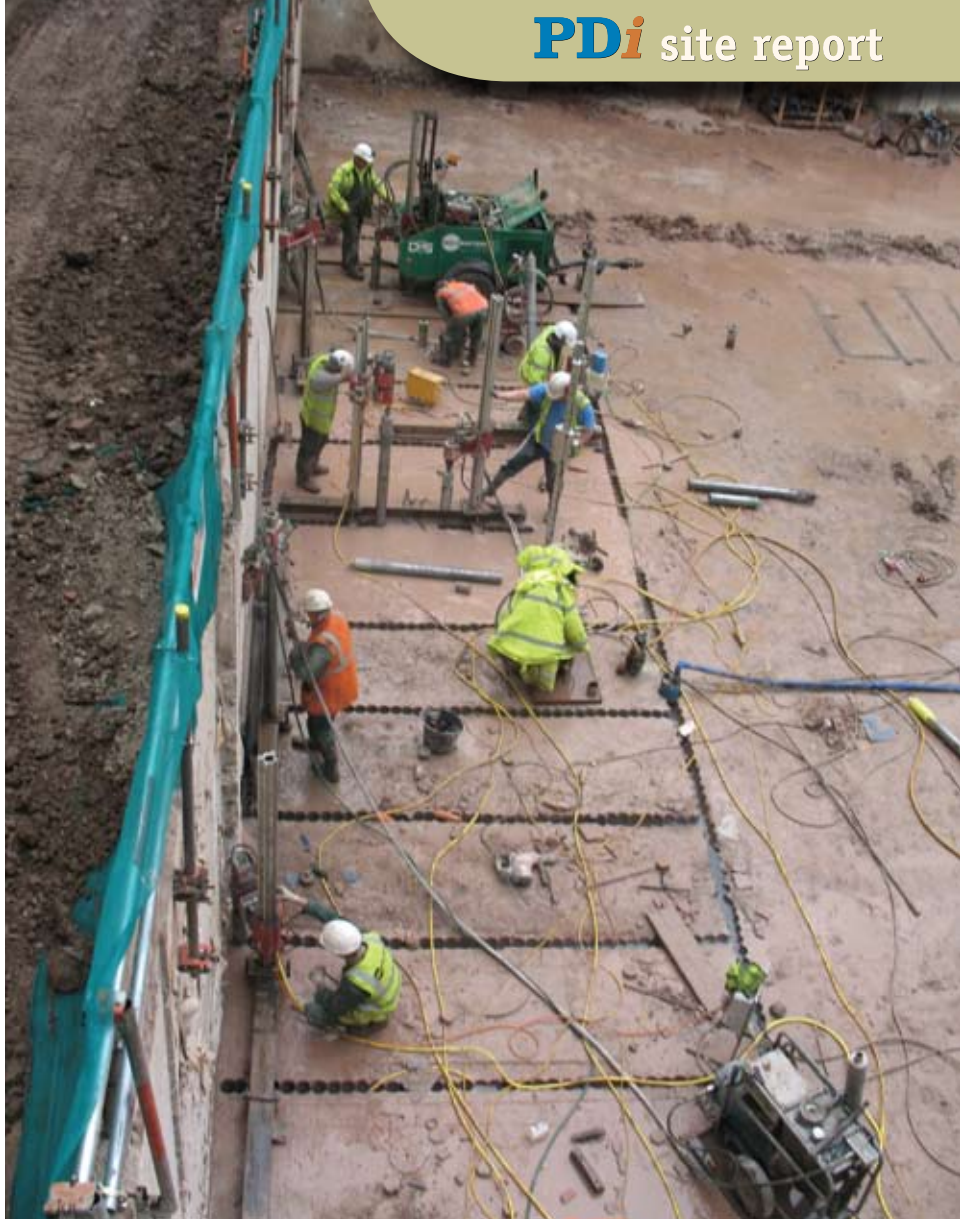
Diaquip, manufacturers and suppliers of the AERO® Core Drills, were very impressed with the professionalism and thoroughness of the trials Holemasters Demtech carried out. The consistency of the AERO® was proven throughout the project. Well over 3,000m of drilling with the AERO® Core Drills were completed on the job.



The concrete slab stretched to 2 metres in depth in places.



Some of the cores extracted from the basement.



UK Holemasters Demtech cut the slab into liftable sections.



100mm steel plate drilled with an AERO® Core Drill.

et Stitched Up!