

CASE STUDY

DIAQUIP DIAMOND COREDRILLS



OVERVIEW

The Company:	Holemasters Demtech
Project:	New York St., Manchester, UK
Location:	National Coverage
Employees:	60+
Industry:	Diamond Drilling, Cutting & Sawing
Customers for:	15+ years
Website:	www.holemasters.co.uk

Holemasters is one of the longest established names in the Diamond Drilling, Cutting and Sawing industry, and provides national coverage from Enfield for the South East; Redditch for the Midlands; Bolton for the North and Cumbria for Sellafield and Nuclear specialities.

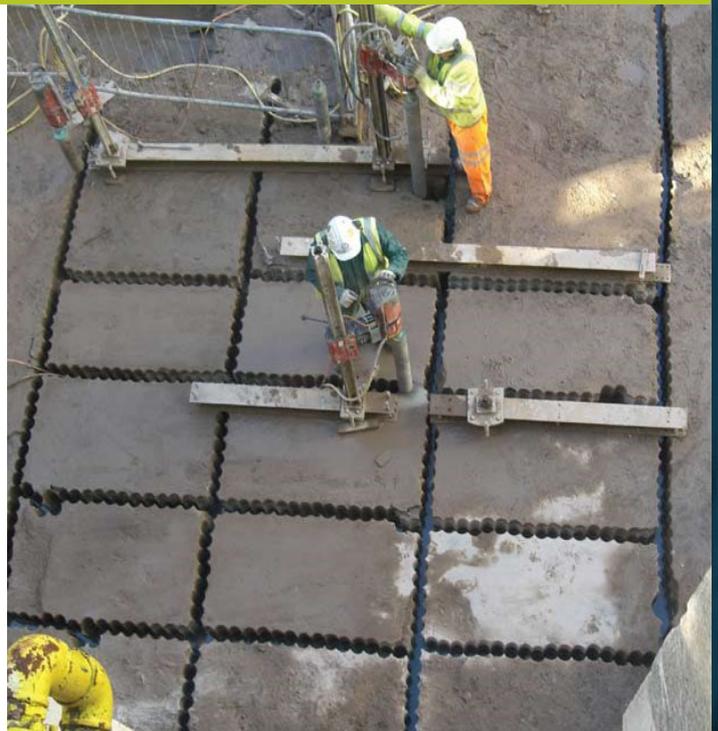
Holemasters have long been involved with a number of Nuclear projects across England, Scotland and Wales, having the capabilities to offer technical solutions as well as drilling and cutting operations on both active and non active sites. Their expertise has proven invaluable providing cost effective solutions for the nuclear industry using a range of remote operations. Their work scope has increased dramatically with the introduction of decommissioning projects, which has seen the birth of Demtech Nuclear Services which was awarded ISO 9001 certification in 2007.

THE CHALLENGE

Property developers Bruntwood Estates embarked on a redevelopment project in the commercial centre of Manchester, New 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.

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.

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



THE SOLUTION



It was decided, that in order to ensure that they had the best specification coredrill for the job, testing would be undertaken on site.

Testing 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.

THE RESULT

Holemasters Demtech found the AERO® Core Drill was quick, even when drilling pure steel, and a lot faster than first expected. They 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.

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.