

Specialist Drilling Services

- Health and Safety trained operatives and management
- Confined spaces trained site and management team
- CSCS scheme in operation for site and supervision staff

Carnon Contracting can provide a specialist drilling service for almost any situation. When South West Water came to us with the problem of installing a 250mm sewage outfall through a hole drilled from the top of a 90m cliff to a target of one metre below Mean Low water level we knew we had a challenge on our hands. A previous attempt by another company to drill the pilot hole had failed after 3 months.

We decided that a pilot hole would have to be drilled, using diamond drilling methods to ensure accuracy, and this hole (56mm in diameter) could then be reamed out to the required diameter (300mm) using a DTH drill. The diamond drill hole had to be continuously surveyed and wedged to guide it into position.

This challenge was successfully met and the outfall now serves the Perranporth area, in Cornwall. A similar method has also been used to install an outfall near Mevagissey, in Cornwall, and was also highly successful.

If you have a problem involving drilling speak to the people who can tailor a solution to meet your needs.

Chadbury Weir site investigation in a fast flowing river



Drilling beside a railway at Coal Pit Heath, Gloucester for a Railtrack project

Previous projects have included

- The installation of Sewage Outfalls through cliffs at Mevagissey and Perranporth in Cornwall, UK.
- The installation of Piezometers in an Earthfill dam in Cornwall for the Environment Agency.
- The drilling of blast holes on the sea bed in Pembroke Dock, West Wales for Seacore from their Jack Up rig.
- Pressure relief drilling in the Victorian dams of the Elan valley in Mid Wales for Severn Trent Water and the Burrator and Roadford Dams for South West Water.
- The drilling of deep instrumentation holes for Railtrack at Coal Pit Heath, Gloucester involving working on an unrestricted speed section of railway.

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Carnon Contracting is a Division of
Carnon Enterprises Limited which is part
of the Wheal Jane Group of Companies

Concrete Diamond Coring, Cutting and Chasing

- Health and Safety trained operatives and management
- Confined spaces trained site and management team
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Carnon Contracting possess a range of small drilling rigs for all concrete diamond coring work. Holes can be drilled from 50mm to 600mm in diameter through reinforced and unreinforced concrete on any surface, texture, finish or thickness. If access is a problem we can drill from scaffolding or operate the machinery in confined spaces with all suitable safety precautions taken.



Chasing machine being used for crack repairs

Concrete cutting can also be remotely undertaken using diamond studded wires.

Chasing up to 70mm deep can be conducted for ducting, wiring and crack repairs.

Clients have included :-

- South West Water
- Kerrier District Council
- Trafalgar House Construction
- E Thomas Construction
- Alfred McAlpine
- Numerous Private Clients



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Group



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Exploration

surface + underground

Drilling

Carnon Contracting was originally formed in 1988 to market the mining expertise of Carnon Consolidated, which at that time owned and operated the South Crofty and Wheal Jane hard rock metalliferous mines. As part of their operating remit Carnon Contracting also provide the underground diamond drilling exploration resource to both of the mines. At one time, at South Crofty mine, Carnon Contracting were diamond drilling at a rate of 10,000m per annum.

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Due to the confined access and the relatively small dimension of the tunnels, the drills used underground at the above mines, still used today, vary from compressed air powered Bazooka and V.A.G. drills to Atlas Copco Diamec 250 and 262 electrically powered machines. With regard to our surface drilling capability we have various types of rigs including a Diamant Boart 747 fitted for wireline drilling mounted on a

'Moxy' all terrain dump truck chassis, a Hydreq-Griffin mounted on a County 4 x 4 tractor and man portable Marlow Mole DD3 and DD2 drilling rigs. Normally we carry out conventional drilling from TT46 to T2101 sizes and wireline drilling in either BGM or NGM.

Being previously associated with operating mines, the one important aspect of diamond drilling we do understand is that CLIENTS WANT CORE - NOT HOLES.



Underground drilling in Greece

Carnon Contracting will carry out contracts both in the UK and overseas.

Previous and current clients include:-

- Aggregate Industries - Various quarries in the UK
- Anglesey Mining - UK (Wales)
- Base Metals Mineral Resources Corp - Philippines
- Billiton Minerals - France
- Brit-Can Minerals - UK
- Connary Minerals/Minmet - Portugal
- Decade International - Greece
- Harry Winstone - Sierra Leone
- Heckla Mining - Greenland
- Irish Salt Mine - Northern Ireland
- Omya Croxton + Garry - UK (Middleton Mine)
- Rio Tinto Exploration and Mining - Africa
- Tilcon Quarries - UK (Scotland)
- TVX Hellas - Greece



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