

adp Group Ltd

Safe Digging Solutions - Site Investigations

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ISO 9001

BUREAU VERITAS
Certification

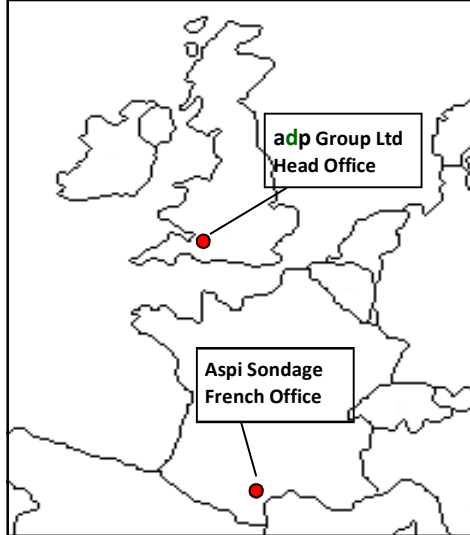


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adp Group Ltd Services

Utility Surveying

Utility Map/Drawing
Service Clearance
Topographical Surveying
GPS Surveying

Vacuum Excavation

Hydro Vacuum Excavation
Pneumatic (Air Spade) Vacuum Excavation
15 Variations of Truck/Trailers/4x4 Unit

Geotechnical/Sample Drilling

Comacchio GEO205 Rotary Rigs
Dando Terrier Sampling Rigs
Dynamic Sampling
Hollow Stem/Solid Stem Augers
SPT's, DPT's

DTHH Drilling/Rock Roller
Well Installation

Diamond Coring/Sawing

Numerous Sizes/Depths
Track Mounted Unit
Bolt Down Units
Hydraulic Breaking
Diamond Sawing

Machinery Sales

Vector Vacuums (HDD Vacuum Excavators, VecLoaders)
MBW Soil Pick, Air Spade, VanAir Compressors

adp Group Ltd are one of the UK's leading suppliers of Innovative Safe Digging Solutions, this division, along with its sister division Site Investigations, provide the range of professional services shown to the left. Due to our impressive and ever improving "Zero Strike" record our client base has grown to include various "blue chip" companies working in the Petroleum, Electricity, Gas, Utility, Civil Engineering and Construction industries. Serving the UK from our South Gloucestershire based Head Office and Europe from our office in South France we are well placed to provide rapid mobilization of any of our teams. European Sales franchises include Vector Vacuum's, Air Spade, MBW & VanAir



Utility Surveying/Mapping

adp's fully trained and experienced staff can provide you with utility maps and surveys, when combined with Vacuum Excavation from adp this provides you with a 100% safe method of digging. We continually invest in our staff, products, technology and techniques ensuring we provide the very best to all of our clients maintaining their investment and trust in our services. We deliver the same high standard of data to all of our clients regardless of the size or value of the contract. We pride ourselves on providing the best information to our clients. To provide the best we train to the best standards and use the very latest and most up to date technologies.

We have 3 main types of surveying:

Service Tracing:

Service clearance from adp is rapidly becoming the choice method of clearing utilities for many contractors. One of our fully trained and highly experienced utility surveyors will attend your site and survey requested area/s, any identified services will be clearly marked on the ground. Numerous equipment used including electro-magnetic and GPR systems.

Full scale/complete site utility maps are a very useful tool when planning/plotting/designing new builds, new utility runs, boreholes or trial pits. However on a large site, heavily congested with delicate services any engineer is hard pushed to choose a location clear of utilities. We will clear an area with a radius of at least 5m clear of your excavation and mark any nearby utilities clearly on the ground using weatherproof paint, our surveyor will then mark a "safe drill zone", an area that is safe to drill or excavate. This service should not be utilized instead of safe digging techniques such as vacuum excavation, but as well as...as reliable as our modern, state-of-the-art equipment is..its no replacement for physically uncovering and locating a utility safely.

Utility Mapping:

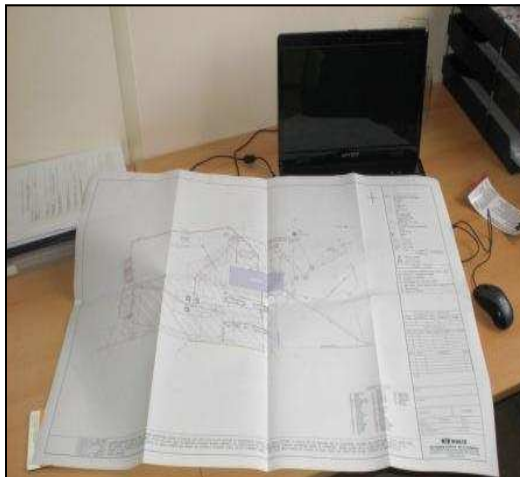
adp Group surveyors will attend site on a day rate basis, to locate, trace and identify buried services on any type of site, we have experience working on numerous sites..anything from Hospitals to Airports, Oil Refineries to Petrol Filling Stations. We will base our survey either on information and base tiles provided by the client, or we can carry out our own "desk top survey" and using GPS produce our own base tile.

Once all the relevant data has been compiled the surveyor that attended your site will go back to the office and process using AutoCAD, once finished he will present this data to you in both in ".dwg" AutoCAD format and if required in a hard copy A1.

Topographical Survey:

With the latest technology in surveying equipment from Topcon UK we can fully survey sites accurately providing clients with all the site information that they require, from spot heights/levels to street furniture types and positions.

adp can provide architects, developers and other parties' accurate drawings of their site or land. The plan given mainly in a two dimensional form provides the precise locations of static features such as buildings, kerb lines, fences, trees, street furniture and service covers, all of this is combined with height levels and/or contours to aid in the design and development. This is produced to the client normally as a paper drawing, to scale, and as a digital CAD file. With the digital file of the survey 3D modelling of the survey area can also be achieved



For more information, quotes or to discuss our capabilities please contact:
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Vacuum Excavation

Vacuum Excavation is an intrinsically safe system for uncovering and exposing the threat from buried services, and a flexible option for removing material from awkward or sensitive areas. These machines range from trailer units towed by Land Rovers, up to 7.5t truck units and are ideal for slip trenching, bore holes and trial pits.

Vacuum Excavation is rapidly becoming the preferred method within many industries for exposing the threat from live underground services, and can also greatly increase productivity over hand dig methods. Traditional exploratory excavation techniques even when used with GPR or Cable Avoidance Tools can expose ground workers to risk of injury or death and construction projects to delays and expensive repair bills from service providers for the damage caused by you to their services.

Vacuum Excavation Method

1. Air-Spade is used to deliver compressed air at 1500mph into the sub base, the jet of air stays compressed for approximately 100mm - 150mm then spreads, lifts and fragments compact pervious material, results are usually best in compact M.O.T gravel or sandy soils.
2. If cohesive soils are encountered, hydro excavation is the only option, this involves high pressure water being induced through a cyclonic jet turning clay/PFA type material into a thick slurry. This is the fastest method of excavating safely.
3. After de-compaction of sub base material has been achieved by either Air-Spade or Hydro-jet, the loosened spoil can be safely removed by high performance vacuum; if access is limited the vacuum excavation unit is capable of working distances of up to 100m.
4. After the excavation is complete the recovered material is safely contained in a water tight spoils tank or in-line interceptor, this can then be used for back fill or if contaminated transferred for removal.

Benefits of Vacuum Excavation:

- Buried services clearly exposed, not damaged or destroyed
- Ultimate safe alternative to traditional hand dig methods
- 100% safe to both utility and operator
- Industry best practice according to HS(G)47
- Minimum of 50% faster than hand digging
- Excavation in all geology types
- Fast, effective excavation in areas with access issues
- Keyhole surgery of trial pits, no need to excavate large areas/ amounts of material
- Safely remove contaminated materials
- Approved and Preferred method for use within many sensitive areas, including Sub/Power Stations, Refineries and PFS's
- Quickly and safely convey materials for difficult to reach areas anything up to 100m
- High sustainable productivity with low operator fatigue

Eliminate all utility strikes on your project today...simply by contacting the UK's experts..

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Drilling

Our drillers have years of experience in their chosen field and as part of our company progression scheme both drillers and second men have spent time within other aspects of our business, including time as lead vac-ex operators and time helping both our surveyors and mechanics. This broad experience we feel is necessary to enable them to know exactly what else is going on around them..and also to give them basic mechanical knowledge for those occasions when things do go wrong. Our equipment is all new and selected for its safety and reliability from leading manufacturers including Dando Drilling and Comacchio.

Services/Techniques provided..

Dynamic Sampling

Windowless sampling barrels between 86mm and 131mm diameter contain plastic liners to retain soil samples. Liners are removed from sample barrels after drilling. The use of a plastic liner allows for excellent presentation of high quality samples.

SPT/DPT/Undisturbed Sampling

SPT, DPT and undisturbed sampling (100mm diameter U100) can be carried out during the drilling of boreholes.

Hollow/Solid Stem Augering

The rotary drive heads on our rigs can be set to a low speed high torque setting to allow for both hollow and solid stem augering, in the case of hollow stem augering we can also advance windowless sampling barrels through them to allow for soil samples to be taken.

Open Holing using Drag Bits/ Rock Rollers /Claw Bits / DTH Hammers

Down the hole hammer (DTHH), tri-cone rock roller and drag bits can be used for rotary open hole drilling. DTHH is used with air flush for open hole drilling in rock and hard strata. Tri-cone and drag bits can be operated with air or water flush.

Rotary Coring / Air / Water or Mist Flushing

Thin wall double tube core barrels incorporating a plastic liner are used to retrieve cores up to 123mm diameter. The rigs can use water or air flush as required. The ability of our rigs to soil sample and rotary core allows for borehole progression in most ground conditions.

Low Headroom and Narrow Access

With rigs differing in size and appearance we can drill in most places, anywhere from slopes to narrow access, forecourt canopies to substations.

Comacchio GEO205

- Mobilized to site via Land Rover & Trailer
- Capable of drilling beneath a PFS canopy, sitting below 4m
- Compact and highly powerful rotary drilling rig
- Powerful percussive hammer for advancing sampling barrels
- Capable of:

- Hollow/Solid Stem - Max 10"
- Dynamic Sampling
- Rotary Coring
- DTH Hammer, Rock Roller, Open Hole
- SPT's, DPT's, Undisturbed Sampling
- Monitoring Well installations

Dando Terrier Rig

- Easily mobilized in either a van or Land Rover & Trailer
- Ideal for limited access drilling
- Very cost effective dynamic sampling/SPT/DPT rig
- Powerful, compact lightweight window/less sampler
- Capable of:

- Dynamic Window/Less Sampling
- Concrete Coring
- SPT's, DPT's
- Remote Drilling
- Well Installations
- Undisturbed Sampling

