



SPENCER
QUANTUM

LAND-BASED & GEOTECHNICAL SERVICES





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DELIVERING EXPERT SERVICES FOR OVER 30 YEARS



60 skilled employees



280 projects delivered annually



200 items of plant and specialist equipment assets



9,000 m³ of biomass woodchip supplied annually



15% annual growth in customer base



50km of SignaRoad trackway laid every year

GEOTECHNICAL SERVICES





Spencer Quantum is one of the UK's leading providers of geotechnical and geo-environmental testing, inspection and compliance services, providing professional solutions to the infrastructure, utilities, energy and construction sectors.



GEOTECHNICAL & GEO-ENVIRONMENTAL GROUND INVESTIGATION

Our professional team of geotechnical engineers and engineering geologists can design and undertake the most difficult and complex of investigations and also provide the most practical and cost-effective ground engineering solutions for your proposed development.

We operate our own fleet of drilling rigs, specially adapted for a wide range of challenging environments, fully supported by our extensive in-house heavy plant and haulage services. All drill rigs are operated by NVQ qualified land drilling crews, who also hold a wide range of adaptable skillsets and qualifications

including, first aid with AED, CPCS/ NPORS various heavy plant competencies, chemical spill training, Asbestos training, CAT & Genny training, confined space, abrasive wheels, EUSR training, NRSWA certified & British Drilling Association (BDA) audited.



Spencer Quantum undertakes investigations ranging from minimum disturbance environmental assessments for small developments, legacy underground and surface mining investigations, through to deep geotechnical borehole investigations for major infrastructure schemes, on land and over water.

We provide a wide range of investigation borehole drilling services, including cable percussive, rotary percussive, rotary coring, dynamic sampling, window/less sampling, and wireline Geobore S, whilst also undertaking a full suite of down-the-hole specialist testing and class 1A sampling, to include permeability and packer (Ludgion) testing, dilatometer testing,

borehole shear vane testing, thin wall piston sampling and variable/constant head permeability testing.

Our supplementary services of trial pitting, trenching (mechanical and hand excavated), investigation of underground services, masonry and concrete diamond coring, dynamic cone penetrometer

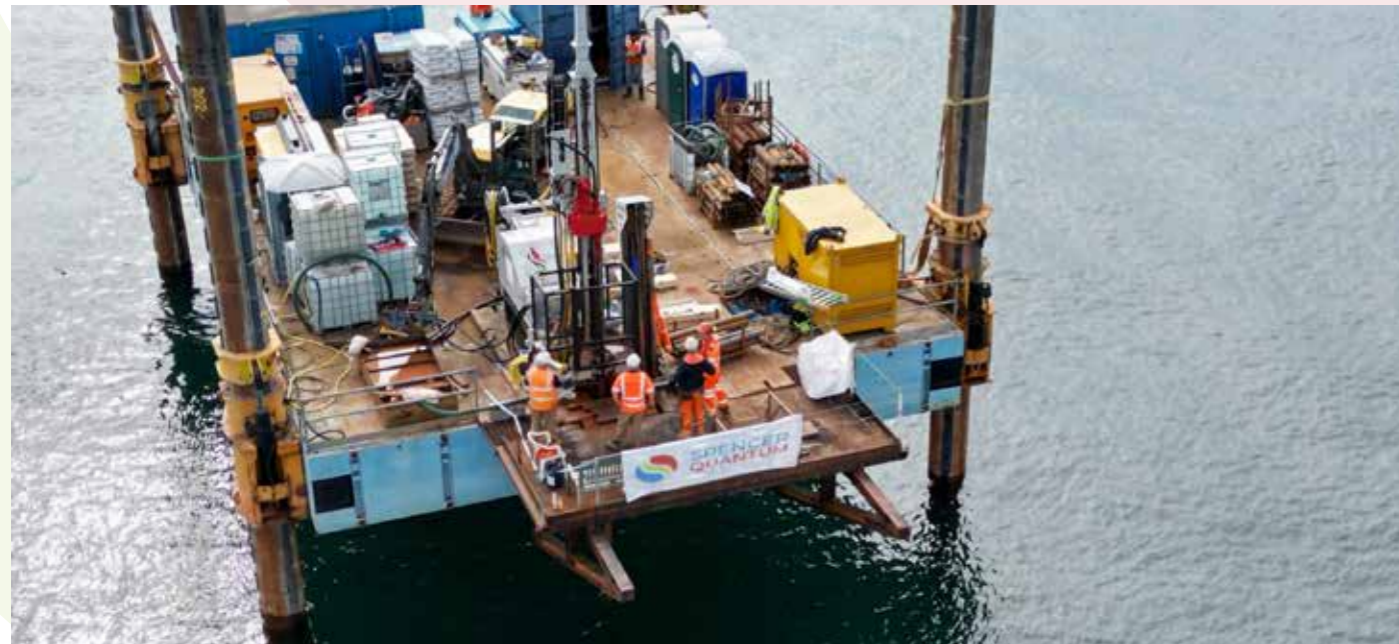


testing, and soakaway (SUDS) testing all add to the full range of ground investigation products we offer. Full instrumentation installation and site monitoring services are undertaken in-house, including ground gas, groundwater, surface water and in-situ geotechnical parameters (vibrating wire piezometers, extensometers, inclinometers, settlement plates).

We facilitate full geoenvironmental, geotechnical and materials laboratory testing on samples obtained from the ground investigations.

Our professional team of engineers, geologists and technicians provide detailed and high quality reporting to current industry technical standards and guidelines.

At Spencer Quantum we use approved codes of practice, covering geoenvironmental desk studies, field mapping, land and slope stability assessments, mining studies and risk assessments, geotechnical and geo-environmental interpretative reporting and geotechnical design reporting.



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IN-SITU TESTING

Our team of highly trained and competent geotechnical technicians are able to provide a wide range of in-situ services with efficiency, professionalism, detailed knowledge and quick turnaround of results.

This includes earthworks and performance testing for ongoing validation or derivation of geotechnical parameters such as sand replacement density (SRD), California bearing ratio (CBR) by plate, LWD or TRL DCP method, plate bearing load testing, dynamic probing (DP), cone penetration testing (CPT), lightweight deflectometer (LWD), Mackintosh probing and handheld Mexecon.

Our in-situ services include determination of ground drainage characterisation by means of soakaway testing, percolation testing and variable & constant head permeability testing.

Our wider range of services we offer in-house to supplement ground investigation services and our geotechnical contracting services include: Schmidt



hammer testing, grout suitability testing (bleed, marsh flow, density & spread), soil thermal resistivity testing and various chemical property testing such as concrete carbonation testing and asphalt PAK testing.

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CASE STUDY: TAFF FAWR RESERVOIRS

CLIENT:	Dwr Cymru Welsh Water & Morgan Sindall
LOCATION:	Merthyr, South Wales
VALUE:	£0.4m
CONTRACT PERIOD:	7 weeks August - October 2023
ROLE FULFILLED:	Contractor working under Morgan Sindall as PC Geotechnical Ground Investigation Specialist Contractor

Set in the picturesque backdrop of the Brecon Beacons (Bannau Brycheiniog) National Park, working alongside Morgan Sindall (principal contractor), jointly on behalf of Dwr Cymru Welsh Water (DCWW) we delivered ground investigations and structural investigations consecutively at three reservoirs: Beacons, Llwyn Onn and Cantref.

The investigations required detailed planning due to the logistical restraints and difficult access to the main spillway structures. Drawing on experience across the company and working very closely with the PC, we devised a detailed safe access and egress working method to all working areas, as well as an emergency and recovery plan. This incorporated scaffold structures, winch systems and safety harness working to name a few.

The works involved rotary cored boreholes in the spillways, requiring carefully planned crane lifting operations of heavy plant and equipment in restrictive working areas into the spillway structures, all of which was done by our trained and qualified operatives.

In addition to the boreholes, each of the reservoir dam and spillway structures were subject to a range of ground and structural investigation techniques including, trial pitting, trenching, diamond drilled masonry and concrete cores, windowless sample boreholes, pull out testing of masonry block work, inspection of any structural voids using endoscope image capturing equipment, investigation of bridge structures and localised rope access work. Ground penetrating radar (GPR) was also used prior to breaking ground to clear for buried statutory utilities along with detailed surveying of all works undertaken.



A comprehensive geotechnical and geoenvironmental laboratory testing regime of soil, rock, concrete, masonry and surface water samples was undertaken throughout.

Working in exposed environmental settings in extremely wet and cold weather for the majority of the works, we delivered the works on time and within the defined budget, and most importantly incident free considering the high potential hazards posed in such settings. Techniques and methods developed as part of this project during the site work element have since been adopted elsewhere within the company on several other projects, showing our ability to adapt, evolve and always push the 'safety first' message.



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CASE STUDY: POND Y GWAITH RESERVOIR

CLIENT:	JN Bentley Ltd working on behalf of Dwr Cymru Welsh Water
LOCATION:	Ystrad Meurig, Ceredigion
VALUE:	£0.16m
CONTRACT PERIOD:	3 weeks
ROLE FULFILLED:	Principal Contractor Geotechnical Contractor working under JN Bentley Ltd as PC

Spencer Quantum was initially approached to undertake a ground investigation comprising a series of rotary drilled boreholes and trial pit excavations along the small dam and spillway structure of Pond Y Gwaith Reservoir located in the extremely rural setting and Site of Special Scientific Interest (SSSI) known locally as 'Teifi Pools' near Ystrad Meurig.

However, prior to mobilising to site, we were asked if we could assist in creating a temporary road access across saturated, hilly, undulating peatland grounds and provide logistical support and haulage to locate heavy duty pumps and generators up to the reservoir's dam, which were required to draw down water levels to enable the ground investigation to take place.

Using our SignaRoad heavy duty temporary roadway system, various heavy plant and expert knowledge of the area, we created a 250m long, curved roadway and successfully positioned all

pumping apparatus and ground investigation plant at the dam location.

We were also requested to undertake resin pressure injection of the spillway structure to seal up any sub-surface leaks. Following completion of the works, all equipment was demobilised by us, leaving the SSSI lands unmarked, a much improved and functioning spillway with a high-quality set of geotechnical data for scheme engineers to design an improved dam structure.

This project showcased our versatility, diversity of services offered and ability to make swift, knowledgeable, and diligent decisions to successfully deliver a logistically challenging project in adverse weather conditions in the heart of rural Wales and in a highly eco-sensitive environment with minimal impact.

All stakeholders were pleased with the outcome. We are very proud to be part of the delivery team.



GEOTECHNICAL CONTRACTING

Spencer Quantum's Geotechnical Contracting sector provides a comprehensive range of ground and structure stabilisation services, from soil nailing embankments and cuttings to pressure grouting reservoir spillways and marina dock walls, to installing self-drill or conventional drilled mini-piles for a retaining wall structure.

All plant, specialist geotechnical drills, innovative working platforms, pumps and applications are owned, maintained and operated by Spencer Quantum, which enables us to provide a highly efficient, well-planned, high-quality service with a rapid response and reactive ability.

● **Slope Stabilisation**
 Soil nails, ground anchors and rock bolts: Quantum provide a range of drilled slope stabilisation solutions for temporary and permanent applications, including soil nailing, ground anchoring and rock bolting.

These anchoring methods, used in combination with geotextiles, geotechnical mesh products, sprayed concrete and reinforced earth embankments, provide cost-effective solutions in most applications.

● **Ground Stabilisation: Mini and micro piles**
 Our fleet of modern drilling plant is able to install self-drilling and conventionally cased ODS piles up to 273mm diameter in some of the most challenging and limited access situations.







Other services

- Stabilisation of failed structures
- Structural waterproofing
- Location and treatment of mine workings
- Confined space working
- Pressure grouting, resin injection and pointing
- Sprayed concrete
- Vacuum excavation ('Vac-Ex') services



SUPPLEMENTARY RELATED SERVICES













Through a approved, well-established and successful supply chain, Spencer Quantum is able to offer the following supplementary services to clients:

-  Geophysical services.
-  Ground penetrating radar PAS128B utility surveys.
-  Topographic surveys.
-  Bathymetric surveys.



INSTRUMENTATION & MONITORING

The Geotechnical division at Spencer Quantum is able to install a wide range of instrumentation for the purposes of monitoring ground, water and environmental parameters. Our experienced engineers will advise, design and oversee the installation of high-quality monitoring instrumentation by our geotechnical operatives and technicians. To include:

-  Standpipe piezometer installations, single, dual, multi-level systems.
-  Ground gas and vapour monitoring and sampling.
-  Landfill gas, leachate and sampling.
-  Groundwater and surface water monitoring including real-time, long-term data logging.
-  Low-flow sampling.
-  Vibrating wire piezometer (VWP) installation and monitoring.
-  Extensometer installation and monitoring.
-  Settlement plate installation and monitoring.
-  Inclinometer installation and monitoring.
-  Soil, stockpile, masonry and asphalt sampling.
-  Oil and water interface monitoring.
-  Water quality testing and monitoring.



CASE STUDY: RASSAU GLASSWORKS

CLIENT:	Private via Arup
LOCATION:	Rassau, Ebbw Vale
VALUE:	£0.82m
CONTRACT PERIOD:	8 weeks October-November 2021
ROLE FULFILLED:	Principal Contractor Geotechnical Ground Investigation Specialist Contractor

In late Autumn 2021, Spencer Quantum was engaged as principal contractor to undertake a comprehensive ground investigation for a large new factory unit development.

Covering a largely heavily vegetated and wooded area adjacent to Rassau Industrial Estate, Ebbw Vale, we provided forestry and vegetation clearance services, ecological support services, creating temporary roadways using our SignaRoad trackway matting, stone roads, bunding, drainage profiles and bridging structures with accessible and secure compound areas, all using in-house resources.

The ground investigation, performed using all our resources, comprised a combination of various borehole drilling techniques to complete some 33 No. boreholes in highly variable geological formations with heavily faulted zones and localised artesian groundwater conditions, each presenting our experienced and qualified drill crews and engineering team with daily challenges.

Supplemented by a number of trial pit excavations, installation of specialist geotechnical instrumentation within the boreholes including vibrating wire piezometers (VWPs) and level/baroSCOUT data loggers (Divers) and using optical & acoustic borehole viewers to effectively 'map' the bedrock geology at depth.

Our geotechnical technicians undertook a comprehensive post-fieldwork monitoring programme of VWPs and groundwater datalogger downloads, producing specific tabulated and graphical data for the client's engineering team.





CASE STUDY: THE BRITISH DRAINAGE DEVELOPMENT

CLIENT:	Torfaen County Council
LOCATION:	Talywain, Pontypool (former coal mine, iron works and washery site)
VALUE:	£1.6m
CONTRACT PERIOD:	13 weeks, October 2022 - January 2023
ROLE FULFILLED:	Principal Contractor Geotechnical Ground Investigation Specialist Contractor

Located in the mainly rural setting of Talywain in south Wales, the 'British Drainage Development' ground investigation scheme was undertaken by Spencer Quantum between October 2022 and January 2023.

Fulfilling the role as principal contractor on behalf of the local authority, we planned and executed a challenging £1.2m ground investigation which also incorporated extensive vegetation and tree clearance, access and roadway construction with suitable drainage and security measures across the 313-acre site, all using in-house expertise, skilled operatives and specialist plant.

A former coal mining and iron working site with a legacy of industrial land use, the purpose of the investigatory works was to assist with determining existing ground conditions and drainage characteristics for a proposed complex surface water drainage scheme.

These works coincided with a long period of adverse weather with high winds, heavy prolonged rainfall followed by some of the coldest temperatures on record in recent times.

However, the project was delivered on programme, on budget and very much to the satisfaction of the end client.

The ground investigation works themselves included: 34 No. geotechnical boreholes, 401 No. rotary probe boreholes (mine working, adit, transect, embankment, shaft), 128 No. trial pits/trial trenches, range of in-situ testing, 52 No. variable head tests, 35 No. ground gas/groundwater standpipe installations, geophysical survey of mining features below ground and ground penetration radar (GPR) buried service survey/clearance, followed by post-fieldwork landgas & groundwater monitoring, geotechnical and geo-environmental laboratory testing, ground investigation factual reporting and AGS 4.0 data production.



CONSULTANCY SERVICES

Spencer Quantum provides an unrivalled and complete design and consultancy service in geotechnical engineering, environmental and engineering geology.

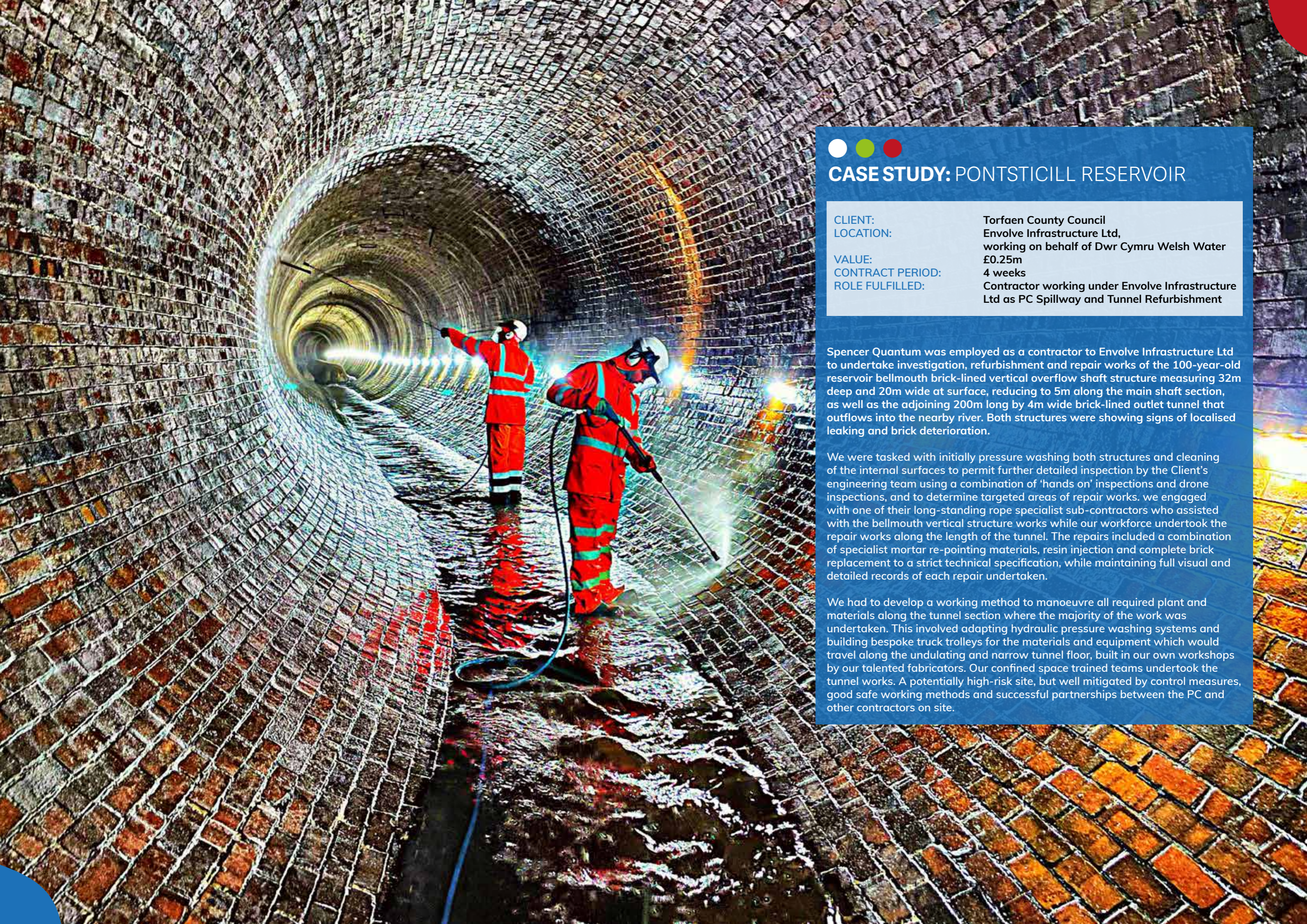
All of our highly qualified, experienced and knowledgeable professional staff are able to assist and provide guidance and solutions to a broad range of industry disciplines. All of our technical projects are led by chartered geological engineers,

supported by our dedicated and highly efficient commercial team, who are committed to providing a first-class service and, where required, provide value added, economical and sustainable solutions.

Spencer Quantum expertise

- **Geotechnical Analysis:** Slope stability analysis; stability of retaining walls; foundation settlements; interpretation of in-situ testing.
- **Geotechnical Design:** Soil nails; ground anchors; mini-piles; reinforced embankments; rock stabilisation; temporary works.
- **Geological Analysis:** Desk studies; walk over surveys; rock slope stability assessments; scan line surveys.
- **Mining Geology:** Desk studies; design of ground stabilisation works; treatment of abandoned mineshafts.
- **Land Quality Assessments:** Preliminary risk assessments on greenfield and brownfield sites, existing industrial or residential areas.
- **Interpretative Reports:** On greenfield, brownfield, or contaminated land, with advice on remediation.
- **Groundwater Studies:** Design of dewatering systems and hydrological/hydrogeological studies.
- **Claims:** Preparation of technical reports and expert opinion.
- **Technical Specifications:** Can compile, issue and evaluate technical specifications and bills of quantities for projects.
- **Engineering Resources:** We can supply staff secondments to provide a flexible means of resourcing projects. High quality dependable staff.





CASE STUDY: PONTSTICILL RESERVOIR

CLIENT:
LOCATION:

Torfaen County Council
Envolve Infrastructure Ltd,
working on behalf of Dwr Cymru Welsh Water
£0.25m

VALUE:
CONTRACT PERIOD:
ROLE FULFILLED:

4 weeks
Contractor working under Envolve Infrastructure
Ltd as PC Spillway and Tunnel Refurbishment

Spencer Quantum was employed as a contractor to Envolve Infrastructure Ltd to undertake investigation, refurbishment and repair works of the 100-year-old reservoir bellmouth brick-lined vertical overflow shaft structure measuring 32m deep and 20m wide at surface, reducing to 5m along the main shaft section, as well as the adjoining 200m long by 4m wide brick-lined outlet tunnel that outflows into the nearby river. Both structures were showing signs of localised leaking and brick deterioration.

We were tasked with initially pressure washing both structures and cleaning of the internal surfaces to permit further detailed inspection by the Client's engineering team using a combination of 'hands on' inspections and drone inspections, and to determine targeted areas of repair works. We engaged with one of their long-standing rope specialist sub-contractors who assisted with the bellmouth vertical structure works while our workforce undertook the repair works along the length of the tunnel. The repairs included a combination of specialist mortar re-pointing materials, resin injection and complete brick replacement to a strict technical specification, while maintaining full visual and detailed records of each repair undertaken.

We had to develop a working method to manoeuvre all required plant and materials along the tunnel section where the majority of the work was undertaken. This involved adapting hydraulic pressure washing systems and building bespoke truck trolleys for the materials and equipment which would travel along the undulating and narrow tunnel floor, built in our own workshops by our talented fabricators. Our confined space trained teams undertook the tunnel works. A potentially high-risk site, but well mitigated by control measures, good safe working methods and successful partnerships between the PC and other contractors on site.

LAND-BASED SERVICES

















Spencer Quantum is one of the UK's leading providers of environmental management and land based services to a variety of industries - including all aspects of landscaping, groundworks, site clearance, recycling and forestry work.



MINOR CIVILS WORKS & PLANT HIRE

Spencer Quantum holds a significant range of plant and machinery that is used on our own projects and also offered on an operated hire basis.

Evolving over 30 years, Spencer Quantum is one of the most respected operators in the land maintenance and groundworks sector, and this reputation has evolved by delivering some of the most challenging projects with our fleet of modern plant and specialist equipment.

-  Excavators – 1 ton through to 30 ton (tracked & wheeled).
-  Long-reach excavators.
-  Majority of excavators are installed with SteelWrist head assembly, providing full added manoeuvrability and adaptiveness.
-  Tracked dumpers (3 ton to 12 ton).
-  Wheeled dumpers (swivel, fixed or dual view in 1 ton to 9 ton).
-  Low ground compaction specialist plant.
-  Tracked telehandlers.
-  Tracked wood chippers (6" capacity up to 20" capacity).
-  Tractors, plant trailers, dump trailers, water tankers/ bowsers and other site support equipment.
-  Stump grinders.
-  Side arm, flail mowers and mulchers.
-  Robo-mowers

These items of plant are serviced and maintained by our in-house mechanics, fitters and fabricators using the most up to date technologies in our dedicated workshop facilities, and transported to site on our own fleet of modern HGVs, ensuring that Spencer Quantum can deliver the plant you require to your site, on time, every time.

Working alongside our plant hire is our construction division. This division can assist you with a wide range of works, from minor repairs and day-to-day maintenance of commercial buildings, through to minor civils works, like concreting, construction of paths and paving, building works and the erection of steel-framed structures.





SignaRoad mats

Constructed from high-specification 100% virgin HDPE composite material, SignaRoad™ mats are strong enough to withstand heavy loads and versatile enough to be used for a variety of applications.

Whether you need a vehicle accessway for a remote utility repair project, or an access route for a concert or music festival, our SignaRoad is the perfect solution to provide you with a top-quality, short-term and secure ground protection system that's easy to install and remove.

Compared to its competitors, the SignaRoad system requires minimal ground preparation and can even be laid across most undulating ground conditions.

With more than 6,000 SignaRoad mats in stock, Spencer Quantum is one of the largest providers in the UK.



TEMPORARY ROADWAY & ENABLEMENT WORKS

Spencer Quantum offers the supply and installation of a range of versatile and durable trackway (also known as access mats, timber mats, track mats and bog mats) and temporary roadways.

Our temporary roadways are used as a simple and effective method of ensuring heavy plant and equipment can navigate across soft or boggy terrain without causing excessive damage to the surface. Another benefit of using temporary roadway and ground protection measures is that it enables all site traffic, from small vans through to heavy plant and equipment, to safely gain direct access to the works location, speeding up the project and ensuring that re-instatement is kept to a minimum.

Spencer Quantum supplies trackway in a number of sizes for a variety of applications: From access mats that support cars and small mini-plant, right through to large trucks and cranes of up to 250 tonnes. The company will advise on the most suitable solution for each purpose, ensuring that the installation can adequately cope with the loadings that are likely to be applied and that costs are kept to a minimum.



Timber mats (also referred to as 'bog mats')

Timber mats are the perfect solution for withstanding the harsh environment of steel-tracked site machinery and are better suited to wet boglands and difficult ground conditions.

Another use for timber mats that Spencer Quantum offer is utilising their strength and load-bearing properties to be used as crane pads, and to reduce axle weight pressures to reduce the risk of damage where access is required over underground services. Bridging small reens, ditches and watercourses are other uses of timber mats.

Plastic mats

As well as traditional hardwood timber mats, Spencer Quantum is able to supply a range of plastic mats (Duradek®), also known as composite mats. They are light, durable and take up less space, which makes storage and transportation efficient, plus they are easy to deploy and retrieve on site should they need to be moved frequently.

Plastic mats are designed to protect rather than support and are the perfect solution for crossing soft ground and grass, including lawns and sport fields. They also provide excellent protection for crossing newly seeded sections of agricultural land or areas where vehicles are likely to get bogged down.

Spencer Quantum's composite range of mats are ideal for events, such as country shows, music festivals and events where temporary walkways, car parks and standing areas are a necessity when dealing with large numbers of people and intense movements of traffic over short periods of time.

The company is also able to deliver the mats to the site, as well as off-loading, installation and the subsequent recovery once the project is finished. This sees a provision of a full and comprehensive service that includes the supply of product, plant, operators and transportation



RIVER RESTORATION

Following years of experience working with the Environment Agency, Natural Resources Wales, the Rivers Trust and other organisations responsible for the nation's rivers and waterways, Spencer Quantum has the know-how and equipment to offer a comprehensive maintenance and management service for all your river restoration needs.

Services include riverbank repair and maintenance, as well as conservation work to ensure reed beds and vegetation are controlled to provide the best possible habitats for the wildlife which lives on the water's edge and in the river itself. Spencer Quantum's work in this sector has also seen it instigate flood defence schemes, such as the construction of walls and barriers, as well as being called upon to remove obstructions and structures from rivers, ponds and lakes following harsh weather conditions.

Spencer Quantum takes pride in working in an ecologically responsible manner and has years of experience in advising clients on best practices, as well as providing environmental surveys to establish the most effective ways of managing habitats.

Our comprehensive environmental and ecological surveying service covers pollution control, habitats for wildlife, animals, rare and endangered species, including plants and flowers, as well as the inspection of trees, vegetation, waterways and lakes. Following the survey, Spencer Quantum will provide a full report that contains data, recommendations and mitigation

proposals, while taking into consideration any protection or ecological issues surrounding the site and surrounding areas.

In addition to works within the water, Spencer Quantum can also provide you with a range of suitable habitats for endangered and protected species, such as great crested newts, reptiles, bats, mice, badgers, deer and rabbits, including rare plants and flowers.

To complement this service, we can design and construct bespoke habitats in our own workshops to meet your desired requirements. This includes bat boxes, roosts, bird boxes, dormouse bridges, badger gates and tunnels.

Should your project require the construction of ponds or lakes, Spencer Quantum can also assist you, offering the complete package from carrying out the initial site survey and excavation through to the final details like water and surface management, fish stocking, planting schemes, filtration and wetland creation.



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RENEWABLE & BIOMASS

With renewable energy an increasingly important part of the UK's ecological and energy supply strategies, wind-turbine and solar panel installations are becoming more and more prevalent around our shores and countryside.

As the establishment of renewable energy sites increases across the UK, so has Spencer Quantum's involvement in the delivery of these projects. By building a good reputation with some of the country's major organisations within the renewable energy sector, we have become a leader in a range of services which support the successful delivery of these landmark projects.

Spencer Quantum's extensive experience of working with many of the country's major organisations in the construction, civil and private sectors meant the company was perfectly placed to offer services to the wind and solar energy industries from the outset and is currently involved with a number of extensive installations across the UK.

Our involvement in various wind and solar energy projects over the years has seen us provide an array of services to support their successful delivery.

These services include additional labour support, using our experienced and qualified team of operatives, provision of operated plant and equipment, provision of temporary roadways and specialist aboricultural

and access-enabling works using our purpose-built machinery and equipment.

As well as our presence on wind and solar energy sites, Spencer Quantum is also a leading company in the biomass sector.

Our close relationship with organisations such as the Highways Agency, the Forestry Commission and the Environment Agency, along with our own ongoing land maintenance, forestry clearances and tree-harvesting projects, means we always carry a substantial stock of timber and woodland materials that can be quickly converted in-house into high-quality biomass woodchip fuel, delivered to a wide range of clients within one of our own 90m³ walking floor arctic lorries or for smaller, less accessible areas, one of our six-wheeler 38m³ tipping bin lorries.



Fully approved by Woodsure as part of the Biomass Suppliers List (BSL) scheme, and meeting the requirements of ISO17225-4, Spencer Quantum stores in excess of 6,000 tonnes of sustainably sourced round wood timber at any one time, naturally seasoned by the prevailing valley winds at our head office in Ceredigion, West Wales, later to be chipped and stored at our purpose-built on-site facility. With the ability to also force dry on-site, we are able to meet the needs of various customers.



LANDSCAPING, PLANTING & FENCING

Spencer Quantum offers wide-ranging landscaping, planting and fencing works to the highest standards and to the latest industry-approved guidelines.

When completing all of our projects, it's the quality of the finishing touches that makes them stand out from the rest. Known for attention to detail and meticulous planning, Spencer Quantum can provide you with all the hard and soft landscaping services required to complete your project to the highest standard. These services include groundworks, drainage, ornamental planting, seeding and turfing, and tree and forestry planting schemes through to more intensive landscaping, such as construction of features, concrete laying, paths and paving and the construction of ponds, lakes, wetlands and water features.

A full range of commercial and domestic fencing is undertaken by our in-house operatives, using the most efficient and least environmentally impacting methods and machinery. From 'post & rail' to palisade and security fencing, we are able to source and install almost all types of fencing to meet your desired specification.





TREE FELLING & VEGETATION CLEARANCE

With Spencer Quantum regularly carrying out site clearance and maintenance, as well as the removal and recycling of trees and vegetation, we also handle the clearance of hard-waste as part of our wide range of services.

To carry out these tasks in the most efficient and effective manner, we have the expertise and specialist equipment to ensure that all waste materials are processed, handled and disposed of in the most viable and environmentally appropriate way possible.

Spencer Quantum is often called upon to clear brownfield or overgrown sites in advance of construction work. This can involve tree felling, demolition of remaining structures and the removal of roads, concrete installations and hard-core, plus the reclamation of any recyclable items.

Spencer Quantum's staff are qualified and equipped with our fleet of specially prepared and adapted equipment to ensure they can take on every conceivable arboriculture and tree management operation.

Once the site is cleared, Spencer Quantum is then able to prepare the land and, if necessary, redeploy hard core, plannings or soil, as required, in readiness for the construction project to take place.

We take the disposal of waste materials very seriously. Our strict sustainability policy applies to all operations and we are very proud of the fact that all by-products generated from our work are recycled – a factor which is helped by our ongoing investment in modern equipment.

We also understand our clients' wishes and are happy to discuss any bespoke requirements to ensure other company policies and standards are maintained.

Spencer Quantum considers it a privilege to work in locations that are regarded as important areas of conservation, recreation and beauty and therefore we take our environmental responsibilities extremely seriously.

Because of this, we adopt a policy to work in the most ecologically sound and sustainable way possible and possesses the credentials to prove it.





SPENCER
QUANTUM

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