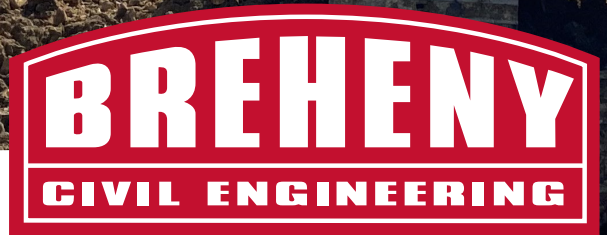


# COMPANY PROFILE



**Building Britain's  
Infrastructure  
Since 1963**





# ABOUT US

## Building Britain's infrastructure since 1963

Formed in 19th March 1963, Breheny is one of the largest family owned civil engineering companies in the UK and is included in the NCE Magazine's Top 100 Civil Engineering companies list, previously winning the Talent Champion award.

We have developed to provide civil engineering services to almost two thirds of the country from our offices in Suffolk, Yorkshire, Cambridgeshire, Kent and Hampshire.

Since our creation, we have worked on diverse, award-winning projects across England, covering many different specialisms of civil engineering.

We are experts in highways and bridges, river and marine, and environmental sectors.

Our directly employed workforce and owned plant fleet allows us to be operationally resilient, proactive and continuously improve our high standards.

*"Breheny is a family business that builds long term relationships with its customers through the quality of its workmanship and the excellent service it provides"*

**John Breheny,  
Chairman.**



### Our Values

#### We value our people, customers and suppliers

- We treat our people fairly and equitably
- We want our people to enjoy their work and progress their careers in a stable, safe environment
- We seek repeat business from customers
- We develop good relationships with suppliers

#### We have respect for the community and environment

- We minimise our impact on the environment and the communities in which we work
- We support community projects that involve our employees

#### We believe in openness and honesty

- We comply with all applicable law
- We work as a team with our customers
- We keep our people informed of developments within the Company

#### We take pride in what we do

- We do everything to the highest possible standard
- We reinvest profits to maintain an extensive and modern plant fleet
- We continuously improve our performance

### Quality Workmanship

Workmanship and quality of service that exceed client expectations is an area of pride for all within the Company. Our workforce at all levels are provided with a continual regime of formal training, while audits of all of our sites ensure compliance with our management systems

Our robust Integrated Management System ensures that our operations are consistently carried out safely and efficiently in a sustainable manner to deliver high quality assets to our clients. The system applies to all employees and partners in our supply chain, detailing procedures, systems, actions and responsibilities.

The system has been audited and accredited by NQA and Achilles to the following standards:

- **ISO 14001:2015** Environmental Management
- **ISO 45001:2018** Occupational Health and Safety Management
- **ISO 9001:2015** Quality Assurance
- **ISO 50001:2018** Energy Management







# HEALTH & SAFETY

## Committed to achieving the highest possible standards

Breheny Civil Engineering Ltd is committed to achieving the highest possible standards of Safety, Health, Environmental and Quality (SHEQ) performance on all of its construction projects.

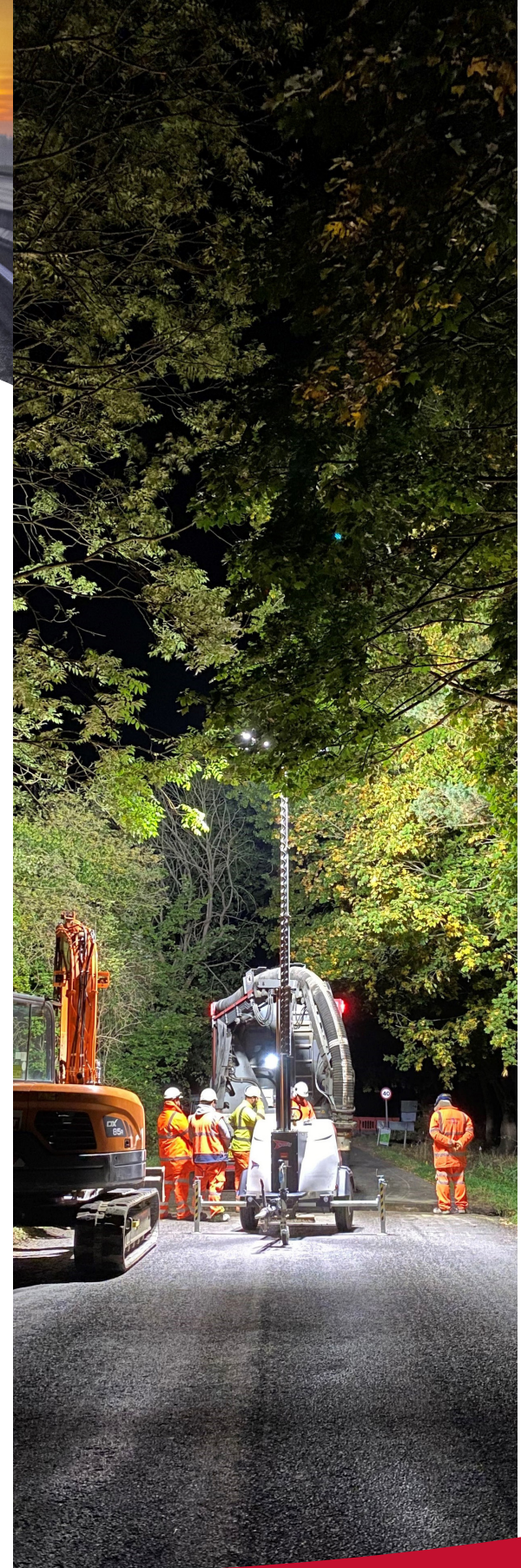


We are committed to ensuring everyone goes home safe everyday; and have implemented a behavioural safety programme in order to achieve continual improvements in our health and safety culture.

The Company's behavioural safety initiative is called "Think Safe, Work Safe, Home Safe". This system is all encompassing as it focuses both on safe and unsafe acts. This programme incorporates the principles of visible felt leadership and utilises workplace observations and discussion to generate the necessary changes in behaviour at the point of work.

Our safety performance has again been recognised with our 8th consecutive RoSPA Occupational Health & Safety Gold Award and we have continuously achieved a British Safety Council International Safety Award since 1984.

Our commitment to Health & Safety is further demonstrated by accreditation to SSIP organisations such as CHAS, and our membership of Health and Safety organisations RoSPA and the British Safety Council. Full details of our SHEQ accreditations and memberships can be found on our website.



Our Behavioural Change Programme was launched at a company Safety Day and attracted over 500 staff, subcontractors and clients to Duxford Imperial War Museum. We held an updated safety day at Hinxtton Hall in 2023. We planned this event to demonstrate our commitment to Health and Safety and we instigated a companywide site shut down to ensure our teams and partners could attend.

To ensure we fulfil our commitments to SHEQ we employ our own dedicated SHEQ Department who carry out audits and inspections, regular on-site and office based performance reviews, and work closely with our construction teams to offer advice and guidance on best practice.

Breheny Civil Engineering have been on a Behavioural Change journey since January 2016. This has been facilitated by an external provider which has further developed our culture in providing a safe working environment for all our employees.

We have procured professional translation services and graphic designers to create literature and media in Punjabi, Polish and Romanian, including;

- Induction videos for new starters
- Questions and Answer sheet to check understanding
- Laminated Reference Cards that can be used on site, providing key reminders and guidance points, including best practice
- Cartoon style Health and Safety booklets which show universally understandable situations with correct and incorrect working methods.

The pictorial content in particular has been well received by operatives and was nominated for the CECA inspiring change award due to its informal and easy to understand style. This has the benefit of being understandable, regardless of language.





## TECHNOLOGY

### Integrating innovative technology

We are committed to using innovative technologies and information throughout our business and have integrated this into our systems and procedures.

We use Asite, a Common Data Environment, to store company and project information throughout the scheme's lifecycle. We utilise the BIM naming convention which enhances our ability to work collaboratively with our clients and partners.

We have the capability and experience to provide information in accordance with a number of standards and classifications including COBie (BS1192:4), Uniclass 2015, NRM and the PAS 256:2017 Buried assets.

We have also invested in Autodesk Architecture, Engineering and Construction Collection. This includes AutoCAD, Civil 3D Navisworks Manage, Revit, 3DS Max, Infracore, ReCap Pro and Vehicle tracking.

We use Terramodel and Trimble Business Centre with AutoCAD to provide 3D design data for use with machine control system on our new fleet of Caterpillar excavators. Civil 3D is used at preconstruction stage to build 3D models, used for quantity analysis, programming and machine control.

When necessary, all existing/proposed utilities and drainage are also modelled. Navisworks runs clash detection to highlight any issues which are then immediately highlighted to the Design team to allow a resolution.

#### Small Unmanned Surveillance Aircraft (SUSA)

Getting coordinates and level information can be time consuming, slowing site surveys. The use of the SUSA has dramatically cut down the time spent on collecting this data. The density of the point cloud produced allows the surface to be mapped a lot closer to its true representation. A Total Station or traditional method may result in points several metres apart with a straight grade between these.

#### When using the SUSA for surveying work we are able to offer more deliverables such as;

- A fly-through video of the site
- A site plan which can be used for site progress meetings, assisting the commercial team with valuation assessments and the management of sub-contractors, checking earthwork outputs
- Still photographs covering the whole site enabling a review of an area of interest on the site

## HIGHWAYS & BRIDGES

### Cost effective schemes with innovative solutions

For over 60 years, highway and bridge construction works have been core operations for Breheny. We offer our extensive Principal Contractor experience, including S278 and S38 works, on construction and maintenance works for all types of highway, from minor roads to motorways and major route construction.

Our highly experienced team is committed to delivering cost effective schemes with innovative solutions. Our clients include many local highway authorities, commercial land owners and developers. We are experienced in collaborative frameworks, working with numerous local authorities in England.

Breheny has established an excellent reputation for high quality works with high productivity levels, emphasised by clients requesting our services on other schemes and accelerating additional phases of work.

We recognise that works in this sector can have a major impact on the local community. We routinely liaise with our clients, local authorities, and stakeholder groups to ensure minimal disruption to the local people and businesses. We also strive to maximise our contribution to the communities in which we operate, using local specialist subcontracted resources to supplement our directly employed workforce, as well as providing a wealth of development and social value opportunities.







# HIGHWAYS & BRIDGES

## ■ Lyminster Bypass

The recently completed £18m Lyminster Bypass (1.7km) runs north-south from Fitzalan Road, by Littlehampton Academy, through to a newly constructed S278 roundabout at the Hampton Park Housing development. We successfully achieved the aim of the project, to reduce traffic and congestion in and around Littlehampton, improving travel times and reducing the use of the local roads.

In addition to this we built a bridge over Toddington Lane and the existing railway line, which has improved safety as drivers no longer need to see the level crossing. The works were delivered in conjunction with West Sussex County Council and our team were also heavily involved with the complex utility diversions on the A259 for numerous utility diversions including electric HV and LV, SSE telecoms, Vodafone telecoms, Virgin Media, Southern Water, SGN Gas, BT and Istralcom.

As part of our drive to endorse and where possible utilise value engineering and innovation we identified at compliance testing to use a 'solution feature' to deal with fissures in the underlying chalk material. We presented a design proposal to the Client team to overcome this which included installation of geogrids and imported fill over the fissures to bridge together the poor ground conditions. This initiative benefited the project and mitigated an unforeseen additional cost to our Client.

## ■ Bedford Western Bypass

This design and build project included the construction of 2.2km of new highway, linking the A428 and A6, including a new 47m bridge over the Midland Mainline railway line and a pedestrian subway.

We undertook the role of Principal Contractor for this high profile, £16m award-winning scheme for Bedford Borough Council. The works included the construction of 2.2km of S278 adoptable carriageway between the A6 and the A4280, and the modification of the existing roundabouts at each end of the new road. Our expert Planners carefully programmed traffic management, which included night time road closures, to ensure minimal disruption to highway users during our works.

The installation of a 47m span road bridge over the Midland Mainline Railway, was made possible through effective collaboration with Network Rail, which ensured that works were successfully delivered within the allocated five night time possessions.

Due to the proximity of the River Great Ouse, the road had to be constructed on an embankment. The bridge embankments also required substantial earthworks. In total, we moved over 120,000m<sup>3</sup> of material to achieve the cut/fill balance.

Recognised as 'Highly Commended' at the East of England ICE Merit. Awards for Sustainability; and attracted a 'Beyond Compliance' Considerate Constructors Scheme award.



## ■ Bury Eastern Relief Road

This £17 million relief road for Suffolk County Council, included five new roundabouts and the major reconstruction of junction 45 of the A14, near Rougham.

We fulfilled the role of Principal Contractor, working in collaboration with Suffolk County Council (SCC) to connect Bury St Edmund's Eastern industrial areas to the A14. As well as five new roundabouts, we also constructed a separate cycle way to provide connections from Moreton Hall to Junction 45 at the Village of Rougham.

This relief road not only improves access to the A14, but is also supporting economic growth in the local area by opening up future industrial and residential plots for development. With a dedicated Public Liaison Officer and a bespoke website (featuring the latest news, plans and site contact details) we kept all stakeholders and local residents up to date as the works progressed, including Highways England during the works to the busy A14 junction.

Effective collaboration and communication with Suffolk SCC was essential to the successful delivery of the scheme. We utilised our common data environment Asite, which we shared with Suffolk to allow up to date and accurate document control/ sharing between all parties. Our onsite compound was shared with Suffolk SCC, which ensured continuous communication was maintained throughout the project.



## ■ Airfield Farm, Market Harborough

We acted as Principal Contractor on a new housing development of around 1000 homes adjacent to the Grand Union Canal.

The £7.5m infrastructure works on the former military airfield to the outskirts of Market Harborough included construction of a road bridge over the canal, with piled foundations as well as multiple retaining wall systems, a 250,000m<sup>3</sup> bulk earthworks package, 3km of deep drainage, a new S278 entrance on the B6047 and 1 mile of S38 spine road to Leicestershire County Council spec.

Our designed and built bridge was subject to assessment from the Canals and Rivers Trust (CRT) which we achieved through proactive engagement and liaison with the CRT appointed architect who specified key elements within the design, these included curvature of the beams, the brick cladding, and the pilasters.





# RIVER & MARINE

## Extensive experience in river and marine civil engineering

Breheny offers extensive experience in the river and marine civil engineering sector delivering a wide range of projects covering areas such as gauging stations and watercourse maintenance, trash screens, piling, timber and rock groyne construction, beach reprofiling and public access works.

Due to the nature of works in this sector, we regularly operate in environmentally sensitive locations that are designated Sites of Special Scientific Interest (SSSIs), Ramsars, Special Areas of Conservation (SACs), or Special Protection Areas (SPAs).

Our experience includes extensive works with the Environment Agency, including being one of 7 contractors on their first national framework, as well as our current involvement on multiple minor works and maintenance frameworks across England. Alongside these maintenance projects we specialise in delivering large multi discipline, coastal and river defence schemes. We can incorporate our expertise of highway projects to deliver sea front public realm projects with minimal disruption to the community.

*“We are proud to have won several awards for our River and Marine Projects”*

- Lustrum Beck Flood Alleviation - **Flood and Coast Project Excellence Award, Working in Partnership**
- Margate Flood and Coast Protection – **ICE Merit Awards**
- Felixstowe Sea Front Gardens - **ICE Merit awards**

### Mote Park, Maidstone – Reservoir Works

The repair and refurbishment of the historic sluice gates, boathouse, spillway, dam and area around Mote Park Lake to meet safety standards and reduce the risk of flooding.

Working with Maidstone Borough Council and Mote Park Management, the scheme involved the construction of a wave wall along the top of the historic dam and upgrading existing culvert sluice gates.

We also carried out a silt clearance exercise using a floating pontoon and long reach excavator at the front of the historic boathouse. This allowed works to be completed within the boathouse that saw old penstocks removed and replaced with new, electrically operated ones. The opportunity to conduct a silt clearance on a historical pond within the park arose and Maidstone Borough Council were very pleased with the outcome.

Further works on site included the construction of the 58m wide spillway retaining walls and the installation of the Armorflex concrete matting. A newly installed access ramp and stairs have also been recently completed.

### Outer Harbour Infrastructure, Great Yarmouth

£5.5m harbour quayside development and storage areas for high profile offshore wind projects for Peel Ports.

This project entailed the construction of a new 25 acre staging area, which now enables 75m wind farm turbines to be assembled before loading onto ships for Scottish Power Renewables’ offshore wind farm.

The staging area was constructed using reclaimed sand and 90,000T of type 1 material. The 0.6 acre crane pad, designed to support a 750T crawler crane, was constructed using 500mm reinforced concrete. We installed the 1m thick reinforced concrete heavy lift slab onto no less than 122 piles of 750mm diameter and 23m depth.

**The most challenging and complex element of the scheme was the construction of the roll on – roll off ramp, which involved working very close to the open tidal water. The demolition of the existing wharf wall was completed without any debris entering the water, ensuring that there was no damage to wildlife or the surrounding marine environment.**



# ENVIRONMENT

## Specialists in environmental improvement works

Our experience in the delivery of waste management and recycling construction projects spans over 30 years. During this time, we have worked with many of the major waste management companies and multiple local authorities, undertaking projects ranging from the construction of waste transfer stations to anaerobic digestion facilities and landfill engineering projects.

Brehey is also a specialist in environmental improvement works, such as developing public areas in a natural, ecological environment. Examples include seafront garden and public open space watercourse projects, promoting nature and general wellbeing.

Our project experience includes frameworks and standalone projects. Our reputation for efficient and cost effective works within this sector has frequently led to Brehey being selected to return to the same site for further phases of work.



### Felixstowe Seafront Gardens

Multi-award winning £3.1m restoration and repair project to the historical seafront gardens, incorporating hard and soft landscaping for Suffolk Coastal District Council.

As Principal Contractor for this project, Brehey successfully undertook the significant repair and upgrade of the highly pedestrianised Grade II listed park gardens, spanning 1km along Felixstowe seafront. The scheme also included stabilising the cliffs with case driven piles.

We maintained public access along the front throughout the construction period by phasing our works into 8 separate 'garden' sections, with only isolated, short-term, closures to facilitate plant and vehicle movements. We worked collaboratively with Suffolk County Council to value engineer the project to realise financial savings without compromising aesthetic appeal.

Brehey's performance on this prestigious scheme attracted the following awards and accolades:

- RIBA Suffolk Craftsmanship Awards - **Winner**
- RICS East of England Award for Regeneration - **Winner**
- Considerate Contractors 'Performance Beyond Compliance' - **Achieved**
- Landscape Institute Awards - **Highly commended**
- ICE East of England merit awards, Team Achievement - **Highly commended**



### Godmanchester Fish Pass

A project to construct a new state of the art fish pass utilising a nature like rock ramp and larinier unit to enable migratory fish to pass through this section of the River Great Ouse in Cambridgeshire.

A Giken pile press was used which is a non-vibratory method of installing piles as a Grade II listed building was adjacent to the works area. A comprehensive schedule of conditions survey was completed prior to the works commencing as was a special FRAM permit from the Environment Agency.

Obstructions were encountered along the piling line and Brehey had to mobilise a floating pontoon, long reach excavator and underwater breaker to avoid delays from the piling contractor and to ensure the project ran to its programme.





# TERRASITE LTD

## Terrasite

Created to compliment the services already delivered by Breheny Group, Terrasite Ltd was formed in April 2017, by John Breheny to provide more conventional groundworks services, in order to fully support our client's needs.

Our senior management team has over 100 years of combined experience in the groundworks and construction industry, ensuring that projects are completed that exceed our client's expectations. Terrasite Ltd acts as a stand-alone business, but also supports Breheny as and when any project requires.

### Groundworks

Our Groundworks projects range from £500K to £4.5m, for both commercial and residential clients. We have experience of working in both greenfield and brownfield site environments. Our portfolio includes, private housing, social housing, hospitals, schools, industrial and retail units.

### Construction

As an additional service to clients, we also carry out bespoke construction projects. Working in partnership with clients helps us to create early stage collaboration, which adds benefits to our schemes, such as any possible cost savings and value engineering innovations.

### Royston Gateway Development

**Groundworks and Construction by Terrasite supported the civils works delivered by Breheny Civil Engineering to provide a collaborative and best value approach.**

This design and build project, totalling in excess of £7m for a new industrial area, featured new retail stores and required the highest quality finish.

Our works at Royston included all of the groundworks, foundations and a steel frame, using all in house resources. Our involvement in this scheme required us to work collaboratively with Breheny Civil Engineering, developing extensive phasing plans to avoid disruption and sharing resources to ensure the smooth running of the site.

This approach to our projects enables us to deliver to a very high standard and lower risk for all of our clients.

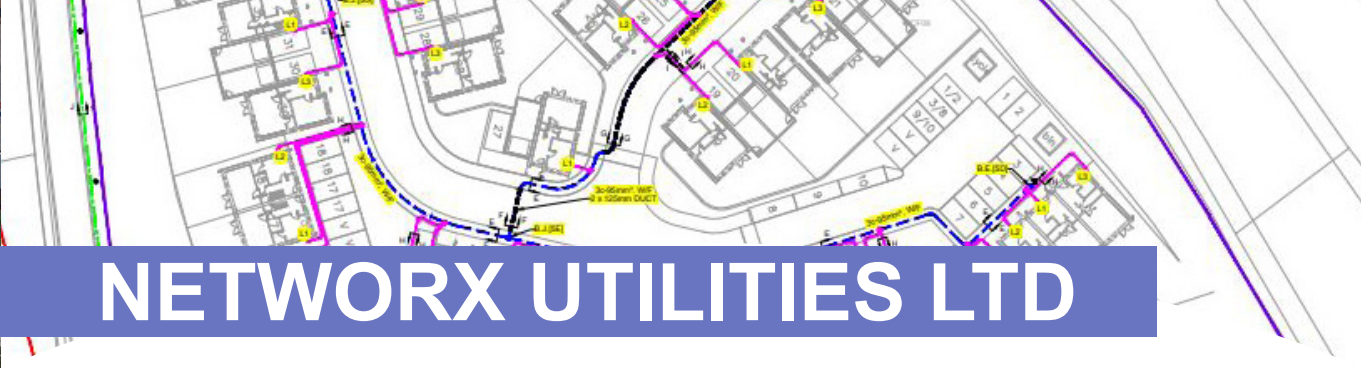
#### Terrasite Ltd

Flordon Road, Creeting St Mary, Ipswich, Suffolk, England, IP6 8NH

T. 01449 726939

E. enquiries@terrasite.co.uk

W. terrasite.co.uk



# NETWORX UTILITIES LTD

## NETWORX UTILITIES

Networkx Utilities was formed in 2016 as part of the Breheny Group. When planning a development, Networkx Utilities can ease the strain by taking control of your utility connections. When we are engaged early, we can save our clients precious time and money by making informed decisions, and ultimately providing cost certainty for the project.

We provide a single point of contact for all your utility requirements, and our full range of services will help reduce overheads and timescales. Our regulatory knowledge, along with our technical expertise, will prove to be an essential prerequisite when planning your next development.

Networkx Utilities provides a complete developer service from initial consultation through to design, installation and ultimate completion. As our client, your repeat business is of the upmost importance to us. We work hard to ensure that you receive a first class seamless service with the best engineering and commercial solutions for your development.

Our unrivalled experience and proficiency in the actual installation of mains and services make us best placed to offer the right infrastructure and connections package for your development. We do not manage from afar. We have a deep understanding of the practical methodology when it comes to utility infrastructure installations.

### Alconbury Weald Enterprise Zone

**We have won more than ten contracts on this new 1400 acre development, sited on the redundant RAF/USAF base.**

As part of our responsibilities we are responsible for the management of the utility installations. We have arranged UKPN, Virgin, BT, Anglian Water potable and foul and GTC, who installed gas and power connections.

To date we have installed; 41,515m utility and service ducting, 227 utility draw pits, 133 street lights, 1440m potable water mains in HDPE and ductile iron, 2 foul water pumping stations and 1 electrical substation.

We have delivered the strategic water mains for the site and the service mains to a number of individual development parcels under a self-lay agreement with Anglian Water.

Networkx working with Breheny has benefits in terms of shared resources, strong communication, shared responsibility and a common goal.

#### Networkx Utilities Ltd

1 Chancellor Close, Huntingdon, Cambridgeshire, PE29 6EN

T. 01449 720282

E. enquiry@networkxutilities.co.uk

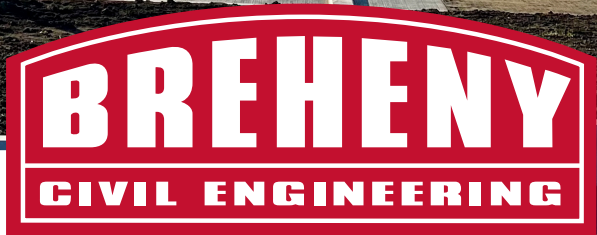
W. networkxutilities.co.uk







-  Doncaster
-  Huntingdon
-  Needham Market
-  West Malling
-  Southampton



For any enquiries please contact us at:

**Breheny Civil Engineering Ltd**  
**(Head Office)**

Flordon Road  
Creeting St Mary  
Ipswich  
Suffolk  
IP6 8NH

- T** 01449 720282
- E** [enquiry@breheny.co.uk](mailto:enquiry@breheny.co.uk)
- W** [breheny.co.uk](http://breheny.co.uk)
- 🐦** [brehenyCivils](#)
- in** [breheny-civil-engineering](#)

# Building Britain's Infrastructure Since 1963