

trentENERGY

Right First Time



UK's LEADING
DISTRICT HEATING INSTALLER

ABOUT US

trentENERGY was established in 2010 and is firmly recognized as a well established and highly adaptable construction business with an agile approach that is embedded in the heart of everything we do.

Our team comprises of experienced chartered civil engineers, accredited project managers, commercial, legal and compliance managers with a combined 100+ years of professional services experience.

trentENERGY began life as a civil engineering contractor and developed its expertise in the design, supply and installation of District Heating Networks. We have the capability and flexibility to act as a Lead Contractor taking on full turnkey projects as well as providing Subcontractor services.

The majority of the work that trentENERGY has undertaken has been either repeat business or referrals which is a testament to the level of service and commitment shown to clients and business associates.



WHAT WE DO

We have the capabilities to design, procure, install and commission district heating networks. We also pre-fabricate, install, and commission heat plate exchangers. We can deliver any scheme as a main Principle Contractor or a Sub Contractor for that matter.

CIVIL WORKS

We have many years of groundworks experience which allows our teams to plan and execute work to high professional standard. We have probably the best team of professionals you could anywhere in the UK that will bring the most demanding of projects to a successful completion. We take health and safety very seriously and have always found a well organized and tidy site tends to be productive too. Our site managers encourage and reward positive behaviour. We ensure all our excavations are well planned and supported.

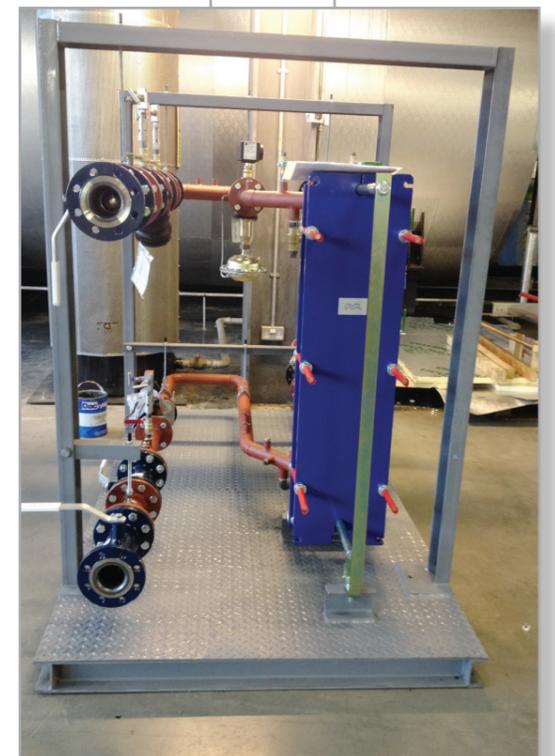
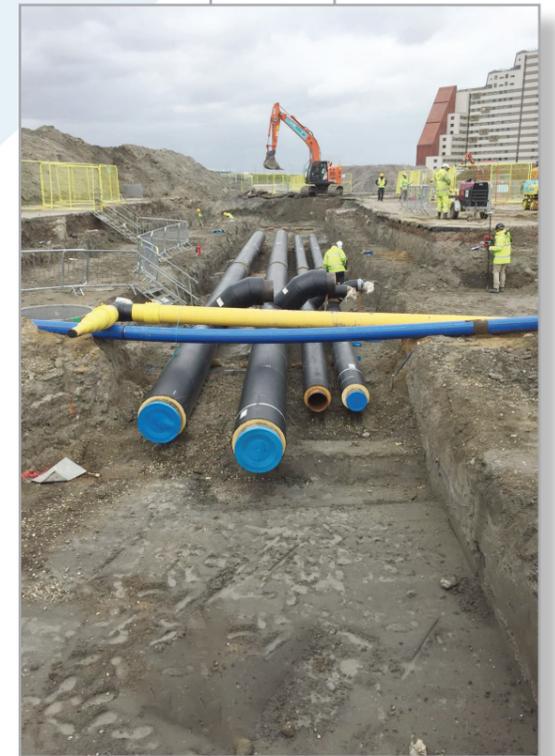
We have the in-house capability and expertise to carry out all aspects of civil engineering from inception to completion.

CONSULTANCY AND DESIGN

Our highly qualified design team is able to work closely with project consultants to plan an optimum route that minimizes cost and disruption. We get called out by our Clients to look at feasibility studies for various pipework routes through tunnels, under canals, over canals, under rail tracks and much more. We will deploy GPR surveys, topographic surveys and an in-depth utility surveys to help plan the best route for insulated district heating pipework. Our CAD Technician will produce 3-D drawings showing the pipework route. This helps with planning and procurement too.

MAINTENANCE

We have the capability to respond quickly to leaks in DHN system which has potential to shut down the system. We have the technology and trained Engineers to establish the location of the leak. Once the area of the leak is established we will excavate and carry out a permanent repair before reinstating. We will not leave until the leak is found and repaired. We're proud of being able to respond quickly and mobilizing plant, equipment and manpower. We never the less follow strict safety protocols to ensure our highly trained staff is safe at all times whilst carrying out the works.



BEST QUALITY DELIVERED SAFELY



We have a quality management system which is accredited to ISO 9001 and we are also working towards attaining ISO 3834 accreditation. Good quality installation will ensure lower maintenance costs for our Client in the long term. Within our quality procedures that cover excavation works, pipework installation, and reinstatement there is accountability for every activity.

We have in-house trained and competent Class I welders and sleeves who are certified and trained to ensure every pre-insulated pipework joint is completed to the highest standard.

Our experienced supervisors check that high standards are maintained. We are proud of our safety record and this is a testament to our team in maintaining our mantra of getting it 'Right First Time'. We maintain a progressive training programme to ensure all the workforce has the right skills and training to do the work safely. We will always work safely or not at all.

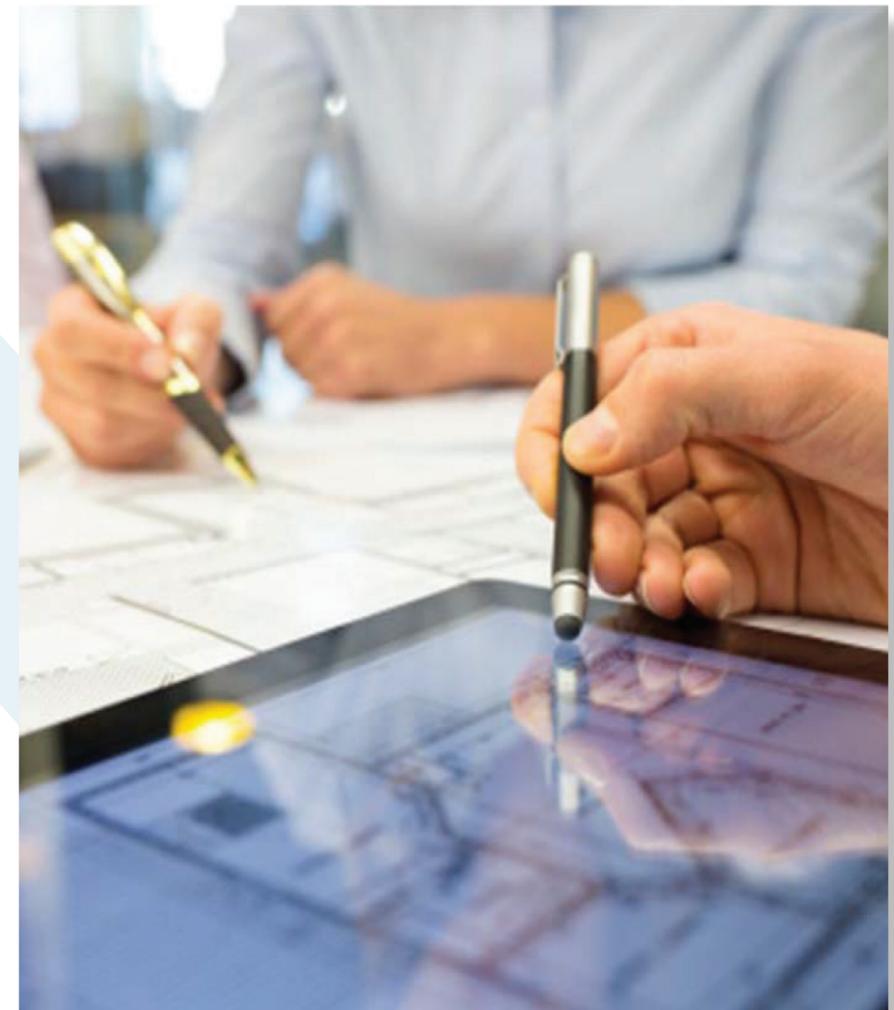


VALUE TO DESIGN

The key to cost certainty is route optimization which means getting the most practical pipework route for our Client. Whether the design is done by our Client or by ourselves our installation team will get involved at an early stage to provide valuable input based on considerable site experience.

The design will be standardised as much as possible to reduce cost and improve installation programme. We pride ourselves on bringing simple robust solutions to sometimes very complex challenges.

Our in-house design coordinator will work collaboratively with our Client to ensure a smooth transition of the district heating network design in to construction phase. We will compile and submit for approval all pre-construction documentation.



PROCUREMENT OF PIPEWORK

We can procure the best pipework to meet the required specification. We have good relationships with multiple pre-insulated pipework suppliers and can pass on substantial discounts on pipework to be procured.

We're able to access the most extensive range of products and support services to meet the project requirements. Our upfront work at design will ensure that we are able to standardise pipework as much as possible allowing better delivery lead times.

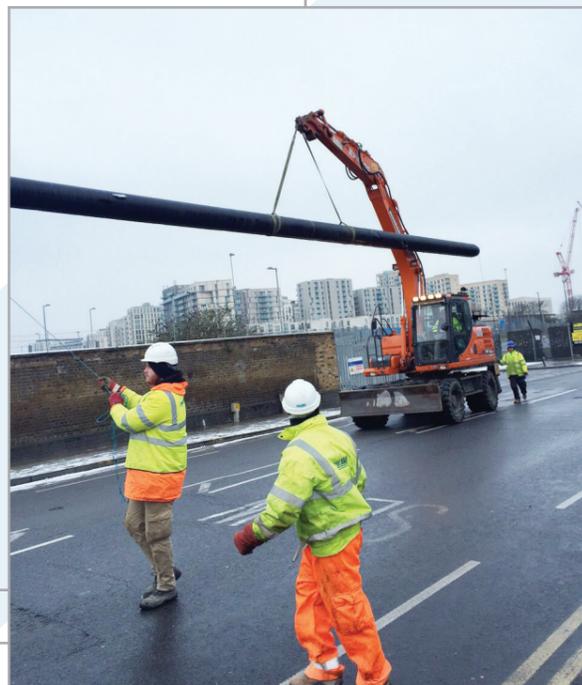
We can also take care of the leak detection system fully installed and commissioned.



District heating is the cleanest and most troublefree form of heating for buildings.

Hot water (+120°C) is transported in thick, well insulated pipes buried in the ground, and the water can be transported long distances without big heat losses.

Our products are installed as a bonded system using a steel service pipe surrounded by a polyurethane foam. These are enclosed in an impact-proof polyethylene casing pipe. These combined elements form a rigid structure with no relative movement between the internal steel pipe and external polyethylene casing. Pipe and pipe fittings are provisioned as standard with two copper alarm wires for connection to an electronic moisture surveillance system.



DELIVERING ON THE GROUND

We have both in-house civil and mechanical engineering capabilities both of which complement each other and increase efficiency. We are always fully committed to our Client's heat on dates and will protect the programme by our capability to increase resources as required. We also look at any prefabrication of pipework that can be carried out whilst the trench work is being progressed to help speeds thing up. This again helps to maintain programme targets.

Our experience allows us to add value by working with our Clients at the very start when arranging lay down areas for the deliveries of pipework right through to final testing and commissioning.

We have an in-house temporary works designer to ensure temporary works schemes work first time and any changes can be turned around quickly. Our welders are best in class, their speed and quality is impeccable. Our ground workers are skilled in all types of trench work and shoring techniques.



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