

Metering

nationalgrid

Siteworks

GIRS accredited gas infrastructure



Siteworks team

With in-depth knowledge and experience, we're ready to solve the most challenging technical problems and meet complex gas infrastructure requirements. Our project managers and Gas Industry Registration Scheme (GIRS) accredited designers ensure your new commercial gas meter installation supports your business operations and responds to your changing needs.

Siteworks - utility infrastructure services

Wherever you're based, and whatever your operations, our Siteworks service is ready to meet your gas infrastructure needs.

Working with both end customers and gas suppliers, we provide a full range of metering and gas connection services at all types of industrial and commercial sites throughout Great Britain. We respond to the needs of small and large organisations alike, including complex industrial sites, and work across all pressure tiers.

Our project teams are highly experienced and Gas Industry Registration Scheme (GIRS) accredited – and their technical engineering abilities are backed up by excellent customer service.

We design and manage every aspect of commercial gas meter installation and maintenance, liaising with all relevant partners and stakeholders.

Whether you need a new business gas supply, relocation, disconnection, or upgrade or downgrade, our Siteworks service can help.

Our Siteworks service typically covers the following:

- **new supply/connection**
- **upgrade/downgrade**
- **relocation**
- **disconnection**

Contact us about your project

If you would like to speak with one of our GIRS accredited team about your project please do get in touch.

We will be able to quickly provide you with a high level assessment of budget and timescales for your project, and then follow up with a meeting at your site (where required) to kick start your project.

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Siteworks

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Visit our website

<https://www.nationalgrid.com/metering>

Siteworks case study

New infrastructure - power generation site

Our Siteworks team constructs new gas infrastructure to power Yorkshire Power Generation site.

We provided a full scope of works to give this power generation customer the gas infrastructure needed to construct its 23,000kW power generation site.

To achieve this, we provided a full turn-key package, including:

- a new gas connection and supply
- gas service
- meter module
- concrete base
- bespoke kiosk; and
- outlet pipework.

The new gas infrastructure will supply three new gas turbine engines, which will generate 5MW of energy to be fed back to the electricity distribution network.

For us to achieve the gas connection needed, our GIRS Design team submitted a design and gained authorisation from the gas network to carry out works to connect a new 250mm polyethylene (PE), medium



pressure gas service, 14m in length to the existing parent network, which was an 18 inch Spun Iron Medium Pressure gas main.

The concrete base was constructed to the specific design for the new 56m medium pressure rotary meter, module to be seated and housed by the bespoke Kingsley plastics kiosk.

The outlet pipework was then installed, which was all below-ground PE – consisting of 38m of 250mm and 17m of 125mm PE, with three separate above-ground risers with 100mm termination gate valves, which would provide the three new turbine engine gas inlet feeds.

Our accreditations



Siteworks case study

Gas upgrade - large Factory



Our Siteworks team has recently conducted a gas upgrade for a large North Wales factory.

This site in North Wales needed an increase in gas capacity and a larger metering supply to provide 15,000kW, due to undertaking a large factory extension.

The Siteworks team provided a full scope of works to provide:

- a new 7barg intermediate pressure, 125mm PE gas service, 17m in length
- a new 56m IP twin stream meter module (Dresser metering design)
- a bespoke Kingsley Kiosk (7barg kiosk manufactured to PRS35)
- a new 180mm PE outlet, 25m in length, terminating with a 150mm gate valve outside the unit
- GL5 documentation (7barg gas service pipeline and connection method)
- MP10 (G17) documentation (7barg meter module, kiosk and DSEAR calculations).

The gas network provided a new 125mm intermediate pressure gas service with connection to the existing 180mm IP parent main.

Our design team submitted the construction design for approval and, working with our Utility Infrastructure Provider (UIP), we completed the GL5 documentation needed for the gas infrastructure works.

We completed the MP10 (G17) documentation for the new meter module and kiosk. Both GL5 and MP10 (G17) documentation completion are a legal requirement when working on above 2barg but below 7barg pressure installation works.

Our UIP constructed the new gas service works and IP connection and the installation of the 180mm outlet PE pipework. All newly installed pipework was hydrostatically strength tested, tightness tested and fully purged to complete the full scope of commissioning.

Our metering service partner then fully commissioned the meter module ready to be brought online.

The new outlet pipework was then fully gassed up to the 150mm gate valve termination point outside the unit.

Disconnection of the old IP service will be completed when the customers internal pipework contractor has completed all internal metallic gas pipework installation and alteration works. We can then proceed with our UIP to complete the service disconnection works before we can decommission and remove the old meter. At this point the new system and meter module will be feeding the factory.