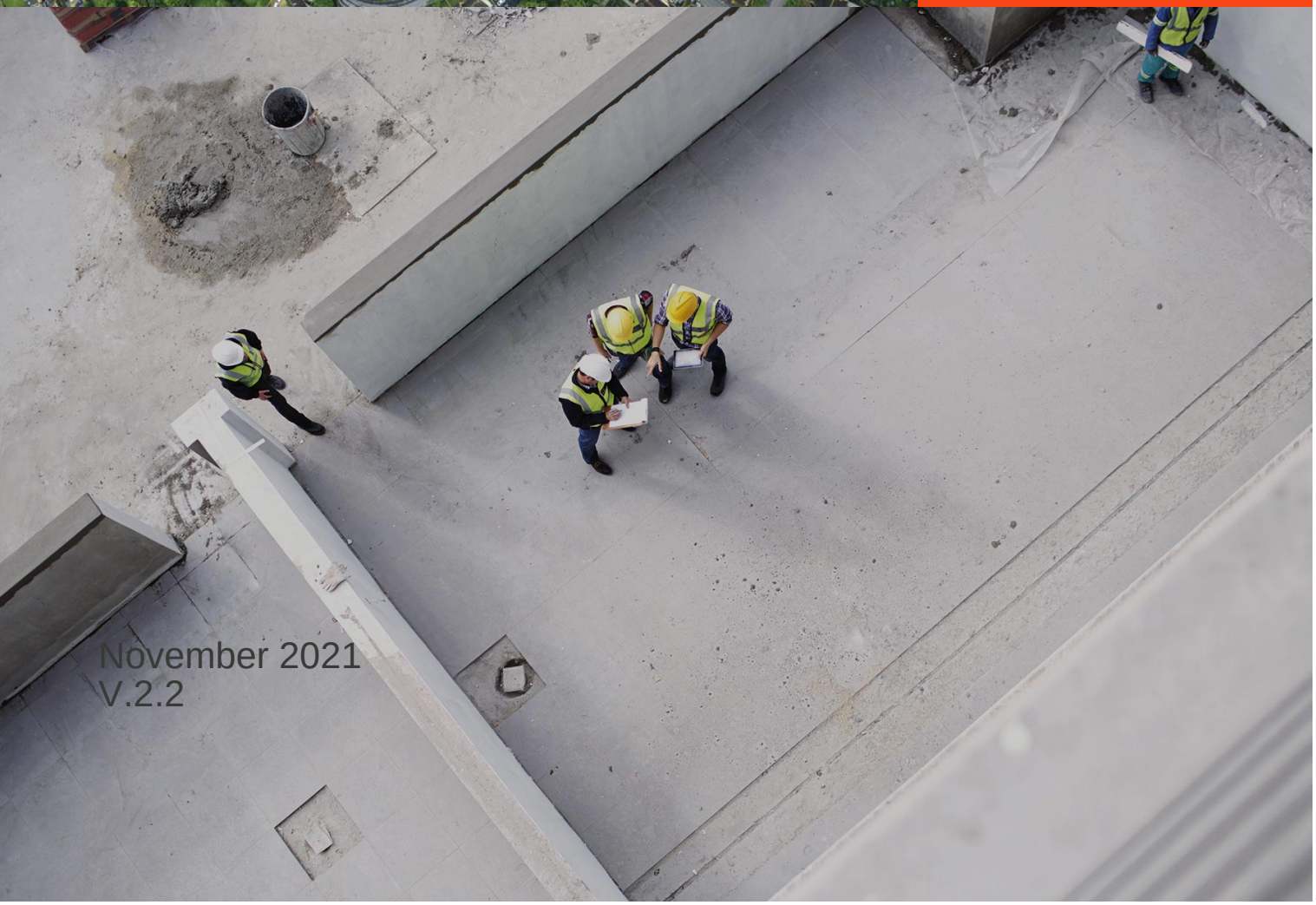
Cadent
Your Gas Network

Detailed Analysis Study – Exit Connections



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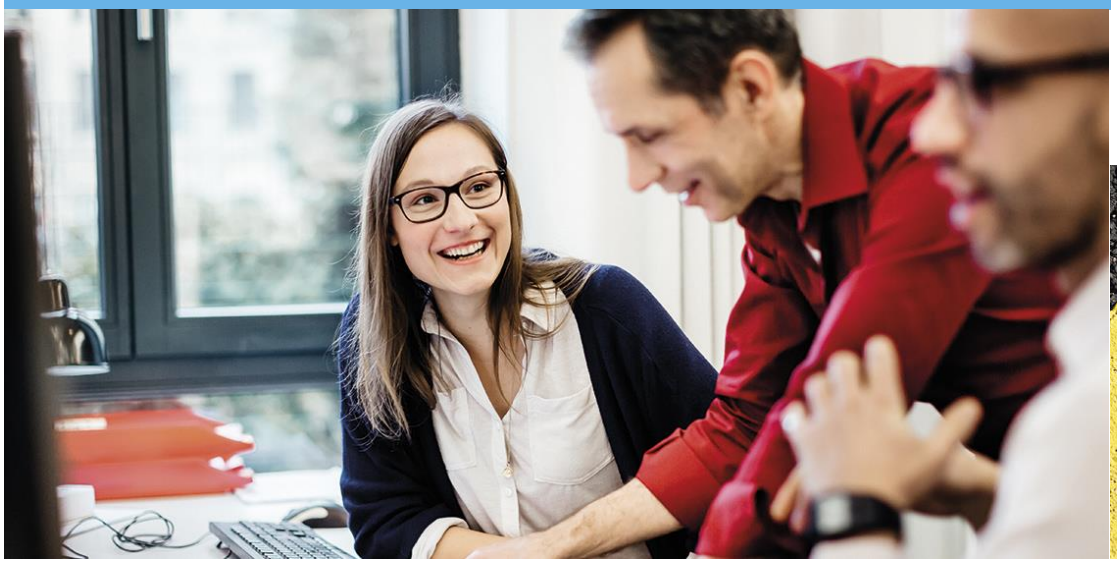
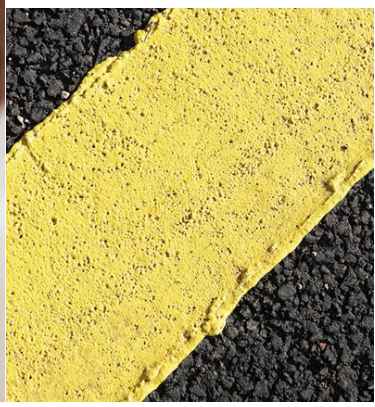
An introduction to the Detailed Analysis Study





What is a Detailed Analysis Study (DAS)?

The DAS is an in-depth study which looks at our network in its entirety. We explore all options to allow you to connect to our network.

The information captured within the study is neatly packaged into a bespoke report, is issued to you upon completion.

The report will be issued to you within 30 working days of receiving payment.

Why have we introduced the DAS?

Following feedback from our customers we identified a need for an additional level of information. This information will enable you to make an informed decision earlier in the connection process.

What is the validity period of a DAS?

The DAS is valid for 21 days (calendar) from the point of issue.
Within the validity period you can submit a quotation request* free of charge.

The reservation of capacity on our network requires the acceptance of a firm quotation.

*** The DAS allows you a quotation based on an option identified within the report.**

If an option not captured in the DAS is submitted this will incur the relevant quotation charge.

How does the DAS compare with the other connection products?

- A DAS can be initiated at any point of the connection process, by a Gas Transport (GT)/ Utility Infrastructure Provider (UIP) or developer.

- You may wish to initiate a DAS prior to submitting or upon the response to a land enquiry or a quotation request which identifies the need for reinforcement works, including projects that have been identified as being Sufficiently Complex Jobs (SCJ).

- The DAS provides you with the flexibility of choice not offered by our other connections products.

- A DAS does not replace the requirement for a quotation. In order to reserve capacity or progress a specific option, a quotation will still be required and will need to be applied for within the validity period as defined on page 2.

  The image below (Figure 1) provides a visual aid showing the output of a land enquiry, a quotation and a DAS. The chart provides you with the benefits of each product in order for you to make an effective choice on how to progress with your connection project.

Product Outputs	Developer Land Enquiry	Land Enquiry	Quotation	Detailed Analysis Study
Load Options Analysed (<=3)	✓	✓	✓	✓
Load Options Analysed (>3)				✓
Above/Below 7bar Network Analysis	✓	✓	✓	✓
Pressure Reduction Station/Regulator Capacity Review?			✓	✓
Identify Requirement for Reinforcement	✓	✓	✓	✓
Multiple Reinforcement Options (Contiguous and Non Contiguous)				✓
Alternative to Reinforcement Strategies				✓
Seasonal Capacity				✓
Alternative Connection Points				✓
Compass Analysis for CHP/Boosted Loads			✓	✓
Economic Test			✓	✓
Budget Reinforcement Costs - Multiple Options				✓
Stakeholder Engagement				✓
Detailed Analysis Study Report				✓

Figure 1- Comparison of connection products and the DAS

The DAS process

Step 1 - Submission of your application

You complete our application form providing the following information:

- Customer-specific information
- Site address
- Site location (map)
- Land ownership details (if known)
- Required capacity hourly(kWh) and Annual (kWh)
- Required minimum connection point pressure
- Phased connection details

When completed submit the form to DASreq@cadentgas.com.

Step 2 - Review application

The DAS team will review your completed application form and make contact with you within 3 working days of receiving your application form.

Step 3 - Issue invoice

We will raise an invoice for payment of the DAS; we'll email this to you.

Step 4 – Receipt of payment

When we receive payment we will contact you again to confirm the due date for your study. This will be 30 working days from receipt of payment.

Step 5 - Undertake and complete the DAS

Our analysis team will analyse your request, completing a number of specific steps (captured on page 5).

We will then produce a bespoke report for you.

Step 6 – Issue the report

Within 30 days of payment we will issue you with the completed report.

If you need to discuss the outputs of your report further, please contact a member of the team (contact details are on page 6).

Within 21 days of issue you can request a quotation for one of the options identified within the study free of charge.

Feedback of your report is always welcomed and can be directed to DASreq@cadentgas.com.

What can I expect from a DAS?

A DAS will capture a range of information specific to your connection which will be neatly packaged within one report.

The focus areas of a DAS are:

Available capacity
The identification of what capacity can be taken prior to triggering a requirement for reinforcement.

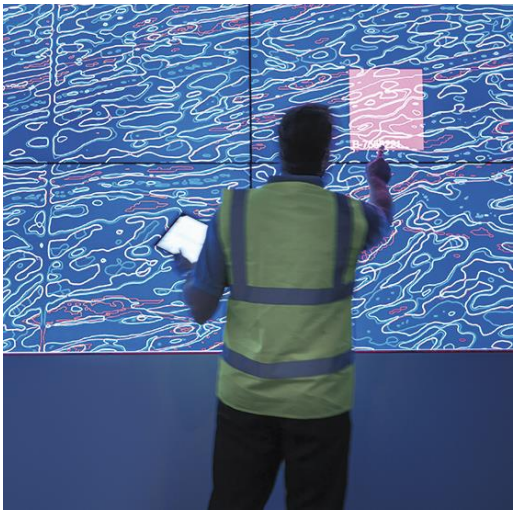
Alternative connection point(s)
We will identify other connection points on the network where capacity is available; this element will also look at upstream pressure tiers.

Phased loading
If you submit a phased load, we will assess and identify the load level which triggers the requirement for reinforcement.

Reinforcement optioneering – contiguous and non-contiguous
To utilise the requested connection point, we will identify a range of reinforcement options to ensure capacity is available.

Strategies
Where possible we will detail any strategy which could be implemented to reduce or remove the requirement to reinforce. Any strategy will be subject to business approval or may be investigated further as part of an SCJ.

Discounted reinforcement options
We will detail any discounted options with reasoning as to why.



Cost estimate
We will provide an indicative cost to deliver the options identified as part of the study.

Economic Test – output
The Economic Test will identify contribution elements towards the delivery of a reinforcement solution based on the cost estimate.

Any specific requirements
If you have any specific requirements for information relating to the connection, you can highlight this on the application form and where possible we will capture this information.

Quotation
Upon completion you can request a quotation of one of the options identified free of charge.

If you decide on an alternative option, this will incur the relevant quotation charge.

I want a DAS; how do I apply?

How to apply

You can apply for a DAS by completing our application form which can be found here.

The application captures specific information related to your connection, which enables us to undertake detailed analysis tailored to your requirements.

Once you have completed the application form, please email this to DASreq@cadentgas.com

A member of our team will contact you to acknowledge receipt of your application.

How much does a DAS cost?

The DAS costs £1850 + VAT.

Terms of payment

Upon receipt of the application form, we will issue an invoice for the completion of the DAS.

Upon receipt of payment, we will advise the due dates of your report and we will commence work on the DAS.

We will aim to issue a report to you within 30 working days of receipt of payment.

Contact the team

Any questions:

Alison Dunster
Design Analyst
T 07966 312 303

For escalations:

Andrew Gilfeather
Connections Specialist
T 07971 814 627

Or get in touch at
DASreq@cadentgas.com.

Frequently asked questions

What is a Sufficiently Complex Job (SCJ)?

Any works designed to operate at above 2Bar are classed as Sufficiently Complex, or where there are any known obstacles (please refer to Appendix A for list of obstacles).
A job is also classed as an SCJ where the total construction cost of the project is expected to exceed £500,000.

Do I still need to progress a Sufficiently Complex Job?

The DAS doesn't remove the need to undertake an SCJ (if identified) but will provide you with the information upfront to make an informed decision on how to progress.

What is the difference between contiguous and non-contiguous reinforcement?

A contiguous reinforcement is work that terminates at or in close proximity to the connection point.
A non-contiguous reinforcement is work that terminates away from the connection point.

Can I extend the validity period of the DAS?

Due to the nature of our network, the validity period is set at 21 calendar days. If you do request a quotation beyond this period you will be subject to the quotation charge, as the network analysis process will need to be re-run.

Can I reserve capacity from a DAS?

You can only reserve capacity through the acceptance of a firm quotation.

Can the DAS cover multiple pressure tiers?

Yes, the DAS will look at all available pressure tiers within our network.

What does the cost estimate incorporate?

The cost estimates provided will be an indicative view to undertake any reinforcement options which are identified during the study.

Do I have to approach Cadent for a quotation?

We are not the only company who can provide a quotation for a new gas supply or work on existing gas pipes/infrastructure. You have a choice of companies, Utility Infrastructure Providers (UIPs), that you can use for gas services. Please visit our Alternative Providers Webpage for more information.

Appendix A – Engineering obstacles which define projects as “Sufficiently Complex”

Sufficiently Complex works are defined as:

- Works which involve the crossing of, or which are affected by, the presence of motorways, dual carriageways or highways, which have been designated by the Highway Authority to have Special Engineering Difficulties.
- Works which involve the crossing of, or which are affected by, the presence of a railway line or tramway.
- Works which involve the crossing of, or which are affected by, the presence of a river, stream, estuary or canal (navigable or otherwise), body of water, aqueduct, or a drainage channel.
- Where works are in, or likely to affect, a Site of Special Scientific Interest, nature reserve, scheduled monument or archaeological site.
- Where works are situated within, or likely to affect, a woodland, marsh, peat bog or coastal wetland.
- Works which involve any requirement for a public enquiry or planning permission, including planning permission associated with any buildings including meter housings.
- Where any apparatus will be laid in contaminated ground, disused slag heaps or rubbish dumps.
- Where any apparatus will be laid in land likely to suffer from severe subsidence or other significant ground movement including the laying of apparatus near to disused mine shafts / workings.
- Where works are likely to be affected by special security provisions, e.g. military bases, prisons etc.
- Where works will take place within top tier COMAH (Control of Major Accident Hazard) sites.
- Where an easement or other legal permit has to be obtained from any person other than the person requesting the works.
- Any other works where special difficulties or unusually high costs might occur.