

GET SERVICES

- ▶ Technical studies and research of sustainable energy options;
- ▶ Design, engineering, construction and maintenance of underground transport systems;
- ▶ Safety assessments for gas installations;
- ▶ Monitoring and inspections;
- ▶ Advice on system optimisation and operational management;
- ▶ Marketing and feasibility studies;
- ▶ Gas measurement: quantity, quality and composition;
- ▶ System measurement: sound, vibrations and pulsations;
- ▶ Calibration of gas flow meters and transducers;
- ▶ Calibration and test gases;
- ▶ Eco friendly recompressing of natural gas;
- ▶ Specialist training.



Setting the pace in
gas transport and
gas utilisation

GASUNIE ENGINEERING & TECHNOLOGY

Energieweg 7 (9743 AN)
P.O.Box 19
9700 MA Groningen
The Netherlands

T: +31 50 5213389
F: +31 50 521946
E: get@gasunie.nl
I: www.getgasunie.nl



GUN503.0808





Safety, health, the environment and sustainability: these are all-important values for organisations operating within the energy sector. Working with either natural gas or with a combination of gaseous energy carriers requires the utmost care - both in everyday routines and in special projects. Specialist knowledge and experience are essential. Gasunie Engineering & Technology offers you direct access to more than 40 years of gas expertise.



GASUNIE ENGINEERING & TECHNOLOGY – SERVICES AND SUPPORT THAT GET YOU FURTHER

Gasunie Engineering & Technology (GET) is the knowledge and consultancy centre for gas infrastructure and utilisation. You can call on us when you need a specialist for gas infrastructure, gaseous energy carriers, sustainable energy, energy transition, green gasses and maintenance and management. We will be pleased to assist you in achieving your business goals, by means of research and development, measurements, analyses, studies, engineering, audits, advice or training. With several unique facilities for specialist measurements, GET is ideally equipped for knowledge-intensive projects at the scientific level.

ADDED VALUE IN GAS RESEARCH AND DEVELOPMENT

GET provides you with a single gateway to an exceptionally broad field of expertise. It extends across the entire gas value chain, from gas well to gas stove. The transition towards a sustainable energy society is one of our primary focuses. Each GET project is tailor made to suit our customers' specific needs.

FACILITIES

GET has two unique laboratories for high pressure measurement, both in the Netherlands. At the Bernoulli laboratory gas flows of up to 2,800,000 m³/h(n) and a maximum pressure of 62 bar are monitored and measured. These statistics place this GET lab among the largest high-pressure facilities in the world.



MORE THAN FOUR DECENNIA OF GAS EXPERTISE

GET originates from the N.V. Nederlandse Gasunie, founded in the early nineteen-sixties in the Netherlands. As one of Europe's largest gas infrastructure companies, Gasunie operates a gas transport network with an overall length of more than 15,000 km (including Gasunie Deutschland). This network meets the highest requirements for safety, reliability and performance. Gasunie is the world's first independent gas transport provider with a trans-border network. Annual gas throughput totals approximately 1.25 billion cubic metres.

As a division of this company, GET has an outstanding reputation in the design, engineering, construction and maintenance of reliable and safe transport systems, and a successful track record in the development of new gas technology. Continuity, safety, sustainability and process optimization are key values of our expertise. Our engineers developed many new technologies for the private and business markets, for industry and for the energy sector.



GASUNIE ENGINEERING & TECHNOLOGY – FIELDS OF EXPERTISE

SUSTAINABLE ENERGY

As part of its corporate responsibility policy, Gasunie is ready to play a significant role in the transition process towards a sustainable, non-fossil energy supply. GET supports Gasunie in this process. Obviously, we focus on Gasunie's own emission levels, but we also place the emphasis on developing decentralized energy systems (such as micro cogeneration), integrating sustainable energy systems, improving energy efficiency in industry, and developing technologies for 'green' gasses (such as natural gas and biogas mixtures). GET is also a research partner on topics such as absorption, transport and storage of carbon dioxide.

INTEGRITY & SAFETY

Pipeline integrity and external safety have always been two major concerns of the gas industry. We can offer you many years of experience in designing, engineering, constructing, managing, and maintaining gas transport networks. Pipeline integrity management, external safety studies of entire installations, examinations and measurements of pipeline systems, availability and reliability studies for gas transport systems... These are all familiar ground for our experts.

GAS QUALITY

GET has been investigating the characteristics of gaseous energy carriers and their effects on transport and burning qualities. Also, our measurement specialists are constantly developing new techniques for measuring gas quality. Traces of contamination can be measured at very low levels. GET also develops equipment to purify natural gas. In the near future, gases with different chemical properties (such as LNG or biogas mixtures) will be used. We investigate the behaviour of these new gases in the network and their effects on end-user equipment.

GAS DYNAMICS

The study of dynamic aspects of fast-moving gas flows under high pressures is one of the specialist competences of GET. The dynamic behaviour of these gas flows can safely be put to the test in our laboratories. More recently, the behaviour of gas engines and gas turbines fed with new gases, such as LNG or sustainable gases, is studied and modelled. Gas quantity measurements can be conducted at either one of our two high-pressure laboratories. The specialist calibration of high-pressure gas meters is also carried out here.

CONSULTANCY

The consultants of GET are commissioned with a range of short-term and mid-term strategic assignments, such as planning gas transport capacity, planning maintenance on the network and optimizing operations in general. Besides these activities, our consultants work on developing new economic and regulatory conditions for gas transport in the Netherlands and in Europe.

ENGINEERING

Our engineers are commissioned with the design, engineering and construction of underground transport systems for gases, oil, chemicals and water. Their task includes planning and project management, which is especially relevant where high pressures are involved. We carry out management and maintenance planning to ensure that pipelines function safely and in accordance with regulations. GET engineers also have specific areas of specialist knowledge, such as repairing pipelines in the field and at plants, 'hot-tapping' and 'stopple-plugging' high-pressure pipelines, and eco-friendly natural gas recompression.