

Join us!

Full membership is open to all companies who have gas operations, whether upstream, midstream, downstream or gas chain.



Our members operate and maintain around a million kilometres of pipeline and related assets. Along with our friends and partners, we have access to a huge research and innovation resource.

Friends of GERGC

Any organisation, association or institute that is not directly involved in the business of gas such as, for example, research institutes, universities, consultancies and manufacturers can become friends of GERGC. They can join our programme meetings and propose or participate in GERGC projects.



For further details on applying for membership, contact the Secretary General at robertjudd@gerg.eu

www.gerg.eu

Our success

Our projects include implementing techniques and algorithms to develop new hardware. The broad European input also enables us to develop international positions on technical requirements as our networks open up to full cross-border transportation.

GERGC is at the forefront of understanding the impact of introducing hydrogen and biomethane into gas networks. The Hydrogen in Pipeline Systems (HIPS) project and NaturalHY are just two examples of GERGC projects which are now considered benchmarks on the road to development of standards and best practice.

The GERGC equations of state provide the engine of much of the commercial software which manages flow in our networks - they are recognised as best in class.

New methods of detection and measurement including satellite surveillance of pipelines, monitoring underground pipes, measuring LNG and detecting methane emissions, all help to enhance the safety, reliability and sustainability of our infrastructure.

Together with our partners, GERGC has delivered many millions of euros of research in European Union supported projects, and added many times more in value through our collaborative approach to innovation.

Why join us?

Established in 1961, GERG is Europe's leading gas industry research and innovation association.

WE WORK TOGETHER WITH:

- **Members** to prioritise and deliver R&D projects that help reduce the cost of maintaining our strategically important gas infrastructure.
- **Partners** to ensure that our research and innovation programmes can deliver for industry, consumers and the future energy system.
- **Policy makers** to position our gas network at the heart of plans for the future European energy system. We aim to ensure that the value that innovation in our industry can make to our low-carbon networks of the future is recognised.

— **Academia** to showcase the best in research and highlight the importance of innovation in our industry. Through our wide membership we have access to a vast number of research scientists, engineers and laboratories.



THE GERG YOUNG RESEARCHERS' PRIZE

We work closely with academia and students ensuring that young researchers have the opportunity to demonstrate their commitment to the future of our energy system.

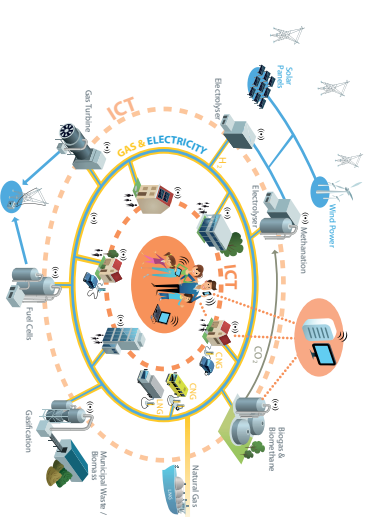
Every year, GERG organises the Young Researchers' Prize, enabling the best students to present to an audience that includes senior industry representatives and policy makers, how their research and innovation is helping to make a cleaner energy future real.



Our Priorities

- 1 Promote innovation in gas technology as vital to Europe's energy future
- 2 Strengthen the safe transport, distribution and use of natural and renewable gases
- 3 Contribute to a sustainable energy system by developing technology that will:
 - reduce energy intensity;
 - reduce emissions of greenhouse gases and particulates;
 - enable new gas applications in areas such as infrastructure and distributed generation;
 - enable flexible integration with renewable energy systems;
 - reduce the cost of the energy transition.
- 4 Contribute to regulation, especially concerning environment, safety and efficiency
- 5 Maintain strong links with related industries, research groups and policymakers
- 6 Support and improve the image of the gas industry

Placing gas at the heart of our SMART energy system
 Our energy system is changing. Gas can be easily stored and distributed through existing gas networks that provide the flexibility we need. Our research on SMART gas grids is ensuring that decarbonisation can be achieved at the lowest cost for Europe.



Integrating renewables and adapting to energy transition

Several of GERG's members have committed to a carbon-free network by 2050. To achieve this a research roadmap for introducing renewable gases into our network is currently being developed, with programmes on hydrogen and biomethane under way.

Ensuring the safety and integrity of our gas networks

Gas networks are a vital, strategic asset carrying several times more energy than our electricity networks and managing huge swings in daily and seasonal demand. GERG's research programmes help ensure that our networks continue to deliver safely and reliably for years to come.

Incorporating new and small-scale LNG into the market

New liquefied natural gas (LNG) infrastructure is currently being developed, providing a route to new supplies and new low-carbon transportation. GERG's research is helping to meet the technology needs of this new industry.