



PRESS RELEASE HYBRID HEATING EUROPE – ENGLISH

## Industry coalition publishes first of a kind overview on benefits from hybrid heating solutions

Today, Hybrid Heating Europe publishes a vision paper on benefits from hybrid heating solutions<sup>1</sup> for the “Fit for 55 package” under the European Green Deal. This vision paper illustrates a common approach and contribution for the renovation wave in Europe and energy system integration at the local level. Hybrid Heating Europe is a coalition of twelve companies active in heating solutions and energy infrastructure: BDR Thermea, Bosch Thermotechnology, Danish Gas Technology Centre, ENPULS, E.ON, EWE NETZ, GRDF, Groupe Atlantic, GRTgaz, Gasunie, Stedin and Viessmann.

Hybrid heating solutions are a no regret option to support the energy transition and accelerate the EU’s energy and climate agenda for decarbonizing European buildings. Hybrid Heating Solutions are systems deployable at the individual building or household level that combine existing or new gas or liquid fuel-based boilers with an electric heat pump for space heating and/or domestic hot water.

The paper provides the first comprehensive overview of the many benefits associated with scaling up of hybrid heat pumps which smartly combine gas boilers with electric heat pumps.

- Consumers benefit from lower costs and the ability to spread out investments in home insulation when installing hybrid heating solutions, while maintaining comfort levels.
- The energy system benefits from the local integration of the energy system enabled by hybrid heating solutions. This integration reduces peak power demand and thus reduces the immediate need for investments in grid reinforcement compared to all-electric alternatives. With the ability to switch between gas and electricity adding further flexibility, system resilience is also increased. The continued use of existing gas infrastructure avoids the more expensive rollout of new district heating systems where applicable.
- The introduction of hybrid heating solutions leads to immediate climate benefits and increases the likelihood that Europe can deliver on its “Fit for 55 package”. Hybrid heating solutions also fit a net-zero energy system by using green electricity when available, and sustainable gas (like biomethane or hydrogen) when it is not.

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### **Note for the editor / not for publication:**

Hybrid heating solutions have significant climate benefits as well: they enable immediate reduction of fossil fuel consumption, they're widely applicable, and they help integrate high shares of variable renewable electricity.

#### **About BDR Thermea Group**

Founded in 2009, BDR Thermea Group is a leading manufacturer of smart thermal comfort solutions for domestic and commercial use. The company employs more than 6,200 people and operates in more than 100 countries worldwide, with a leading position in Europe, North America, Turkey, Russia and China. BDR Thermea Group, which realised a turnover of EUR 1.8 billion in 2019, operates under renowned market-leading brands including De Dietrich, Baxi, Remeha, Brötje, Chappée and Baymak. Its headquarters are in Apeldoorn, the Netherlands. See also [www.bdrthermea.com](http://www.bdrthermea.com)

#### **About Bosch Thermotechnology**

Bosch Thermotechnology is a leading European manufacturer of energy-efficient heating products and hot water solutions. In fiscal 2019, the company generated sales of about 3.6 billion euros (66 percent outside Germany) and employed approx. 14,500 people. Bosch Thermotechnology has strong international and regional brands and manufactures a diversified product range in Europe, America and Asia. Additional information is available online at [www.bosch-thermotechnik.de](http://www.bosch-thermotechnik.de)

#### **About Danish Gas Technology Centre**

DGC undertakes consultancy and development assignments relating to energy and the environment with a focus on biogas, hydrogen, natural gas and other gases.

DGC's mission is to put knowledge into action and to actively participate in the development of a green energy system with a high degree of security of supply. We aim to facilitate the integration of gas with other forms of energy, to draw attention to the significance of the gas system for the Danish energy supply and to promote safety, environmental issues and energy efficiency when using gas. DGC is a public limited company with 35 employees, established in 1988 by the Danish gas sector. See [www.dgc.eu](http://www.dgc.eu)

#### **About Enpuls**

Enpuls is part of the Enexis Group. Enpuls makes the acceleration of green energy and energy saving possible by working together on new and scalable solutions. Enpuls connects parties and ensures that the innovations in which it believes are realized. The focus is on sustainable area development, flexibility, energy savings and sustainable mobility. For more information see: [www.enpuls.nl](http://www.enpuls.nl)

#### **About E.ON**

E.ON is an international, privately owned energy supplier based in Essen, Germany. With a clear focus on two strong core businesses we aim to become the partner of choice for energy and customer solutions. We provide solutions for the new energy world and make sure that everything we do has a single focus - our customers. Whether they are individuals or families, big or small businesses, or even entire towns and cities. E.ON is operating over 1.400.000 km of power grid and 150.000 km of gas grid and is serving more than 50mn customers across Europe. For more information see; [www.eon.com](http://www.eon.com), Press Contact: [info@eon.com](mailto:info@eon.com).



### About EWE NETZ

EWE NETZ is one of the leading distribution network operators, located in the north-west of Germany, Brandenburg and Rügen. Our networks are among the most modern, efficient and secure networks in Europe. With a yearly downtime of 4.5 minutes, our electricity network is about twice as reliable as the German average. In sum, EWE NETZ operates over 82,000 km of electricity-, about 56,000 km of natural gas networks, 40.000 km of telecommunication networks and 2.700 km of water networks.

Sophisticated technology represents the key to excellent supply quality. The majority of EWE's electricity network has been laid underground – a complex solution which all but eliminates the risk of disruptions caused by external factors such as bad weather. EWE operated Germany's first ever natural gas network. Moreover, this network was the first to use pipes made of particularly hard-wearing and long-lasting plastic. Numerous control points and network experts, together with ongoing supervision by modern network control centers, ensure that the entire network infrastructure can be controlled flawlessly. For more information see; <https://www.ewe-netz.de/>.

### About Gasunie

Gasunie is a European energy infrastructure company. Gasunie's network is one of the largest high-pressure pipeline networks in Europe and consists of over 15,000 kilometers of pipelines in the Netherlands and Germany. Gasunie provides natural gas and green gas transportation services through its subsidiaries Gasunie Transport Services B.V. (GTS) in the Netherlands and Gasunie Deutschland in Germany. With its cross-border gas infrastructure and services, Gasunie enables the TTF, the leading European gas trading hub. Gasunie also provides other gas infrastructure services, including gas storage and LNG. Gasunie is helping to accelerate the transition to a CO<sub>2</sub>-neutral energy supply. The company believes that innovation in gas can make an important contribution to this, for example in the form of renewable gases such as hydrogen and green gas. Both existing and new gas infrastructure are important in this context. Gasunie is actively involved in the development of other energy infrastructures that are relevant to the energy transition, such as heating networks. For additional information, see [www.gasunie.nl](http://www.gasunie.nl) or contact Ronald Velthuisen at [r.h.velthuisen@gasunie.nl](mailto:r.h.velthuisen@gasunie.nl)

### About GRDF

GRDF is the leading manager of natural gas distribution networks in France, GRDF distributes natural gas each day to more than 11 million customers to ensure that they have gas when they need it, regardless of their supplier. This convenient, affordable, comfortable, and modern source of energy enables people to heat their homes, cook, and travel.

To provide this public service, GRDF builds, operates, and maintains the largest transmission network in Europe (201,716km) and develops it in more than 9,500 municipalities while ensuring the safety of people and property, as well as high-quality distribution.

Gas is a modern, affordable, economical energy that is increasingly respectful of the environment. With the rise of green gas, a renewable gas produced locally, the gas network is an essential link in the ecological transition. GRDF is an essential partner with local authorities to support them towards carbon neutrality through their choices of energy and sustainable mobility policies. For more information; [www.grdf.fr](http://www.grdf.fr), Press contact: @ : [grdf-nat-presse@grdf.fr](mailto:grdf-nat-presse@grdf.fr) – 01 71 19 18 11

### About GROUPE ATLANTIC

Originally from France, GROUPE ATLANTIC (2.2 billion euros in sales; 10,000 employees) is today one of the European leaders in thermal comfort with 28 industrial sites, a commercial presence on 4 continents and a portfolio of more than 15 brands renowned in their markets (Atlantic, Sauter, Thermor, Ygnis, Lazzarini, Ideal, etc.), selling more than 8 million appliances per year: heating, domestic hot water, indoor air quality and cooling. GROUPE ATLANTIC invests heavily in innovation to meet the essential needs of well-being, health and hygiene of millions of customers in the home and the service sector; and to develop increasingly eco-efficient solutions, reducing the consumption of conventional energy appliances and increasing the share of renewable energy appliances. Certified "Top Employer 2020" (France), GROUPE ATLANTIC gives everyone the means to undertake and encourages numerous initiatives in favor of women's careers in the industry and the inclusion of people with disabilities. For more information see; <https://groupe-atlantic.com>. Press contact: Constance Billiet- [constance.billiet@we-agency.fr](mailto:constance.billiet@we-agency.fr)



### About GRTgaz

GRTgaz is a European gas transmission leader and a world expert in gas systems. In France, the company operates more than 32,000 km of buried pipelines to transport gas from suppliers to consumers connected to its network (managers of public distribution systems that serve municipalities, power plants and more than 700 industrial sites). GRTgaz carries out public service missions to guarantee the continuity of gas transmission and offers its customers services providing access to the network and improving their energy performance. With its subsidiaries Elengy, the European leader in LNG terminal services, and GRTgaz Deutschland, the operator of the MEGAL transmission network in Germany, GRTgaz plays a key role in the European gas infrastructure scene. It also exports its know-how internationally, in particular thanks to the services developed by its research centre, RICE (Research & Innovation Center for Energy). As a player in the energy transition, GRTgaz invests in innovative solutions to accommodate as much renewable gas as possible on its network, including hydrogen, to provide support for these new sectors, and thus contribute to achieving carbon neutrality.

Find us on [grtgaz.com](http://grtgaz.com), [energiedespossibles.fr](http://energiedespossibles.fr), [@GRTgaz](https://www.instagram.com/grtgaz), [Instagram](https://www.facebook.com/grtgaz), [Facebook](https://www.facebook.com/grtgaz) and [LinkedIn](https://www.linkedin.com/company/grtgaz). Press Contact: Chafia BACI @ : [chafia.baci@grtgaz.com](mailto:chafia.baci@grtgaz.com) - +33 (0)6 40 48 54 40

### About Stedin Group

Working together towards a world full of new energy. This is the goal that the approximately 4500 employees of Stedin Group are striving to achieve every day. We believe that it is our responsibility to ensure that all our customers have access to the sustainable energy they need to live, work and conduct business. Stedin Group is increasing the sustainability and maintaining the robustness and affordability of the energy system. This is achieved through the combined efforts of grid operators Stedin (provinces of Zuid-Holland and Utrecht) and Enduris (province of Zeeland) and the experts of infrastructure companies NetVerder and DNWG Infra. Press contact : [pers@stedin.net](mailto:pers@stedin.net) – 088 895 6500 | [www.stedin.net](http://www.stedin.net)

### About Viessmann

Viessmann is the leading provider of climate solutions for all living spaces. The 'Integrated Viessmann Solutions Offering' enables users to connect products and systems seamlessly via digital platforms and services for climate (heating, cooling, air quality) and refrigeration solutions. All solutions are based on renewable energy and maximum efficiency. All activities of the family company, founded in 1917, are based on its purpose. "We create living spaces for generations to come" – that is the responsibility of the global Viessmann family with 12,300 members. For more information; <https://www.viessmann.family/en>

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Or visit our website: [www.hybridheatingeurope.eu](http://www.hybridheatingeurope.eu)