

Security:
comprehensive state-of-the-art control



The safety of gas pipelines and plants is a top priority for Gas Connect Austria. The continuous underground course of the pipelines and regular inspections ensure safe operation. The pipelines are protected against corrosion with polyethylene insulation and additionally with cathodic corrosion protection. In addition, the pipelines are regularly cleaned and inspected using specialist equipment and checked for their technical condition. In addition, the pipeline's route is controlled by regular monitoring, both on the ground and from the air. On average, each gas line is equipped with shut-off valves every 15 km to prevent a major gas leak in the event of an accident. The operating status is reported to the dispatching centre 24/7 via fibre optic cable or wireless connection.

Transport:
environmentally friendly and efficient

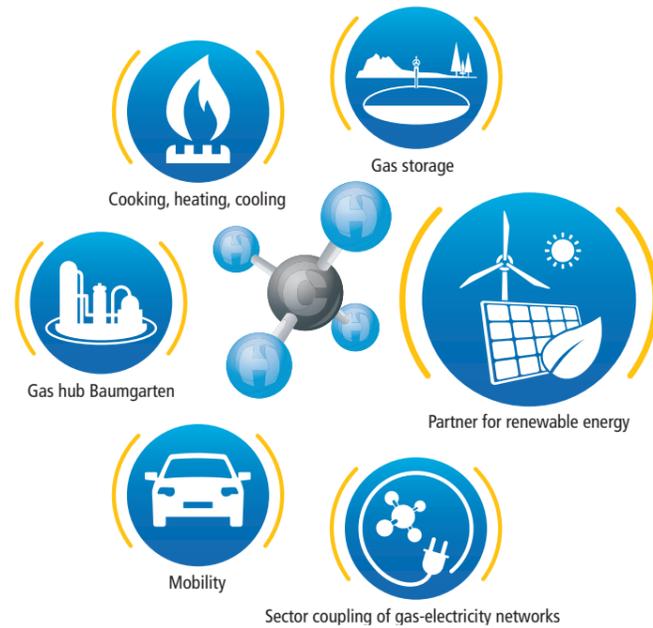
Gas is transported quickly and invisibly underground to customers via pipelines. The large transit pipelines reach a diameter of up to 1.4 metres. Compressor stations are used at regular intervals to maintain the flow rate of approx. 30 km/h over long distances in large pipelines.

In the case of the electric compressors that are increasingly used today, the flow is carried out by high-speed electric motors with magnetic bearings. This modern technology is characterised by increased efficiency and environmental friendliness. The transportation of gas through pipelines is particularly efficient: huge amounts of energy can be transported over long distances without impacting on nature. The soil above the gas pipelines can be used for agriculture, such as for the cultivation of cereals, fruit and vegetables.



Future perspectives:
Partners for a sustainable energy mix

The transportation of gaseous energy sources is not limited to natural fossil gas. Since gases will continue to be an essential part of the energy mix in the medium and long term, the share of these renewable energy sources must be increased. The transmission operators have been working intensively on sustainable energy solutions and want to focus more on the transportation of green gases such as biogas, synthetic gas or hydrogen in the future. Innovations such as power-to-gas plants as storage for renewable electricity are promising solutions for a sustainable cross-sectoral energy system. With the right regulatory steps in place, the gas transportation industry can make a valuable contribution to climate. The existing infrastructure can continue to be used, ensuring a secure and affordable energy supply.



In order to ensure that the energy supply in the EU remains guaranteed across borders in the future, the long-term goal is to establish Baumgarten as a hydrogen hub or European distribution center for hydrogen. Accordingly, biogas and hydrogen are part of the corporate strategy. Gas Connect Austria is working to increase the transportable hydrogen proportion from 4% to 10% by 2024

and to 25% by 2030. In addition, Gas Connect Austria is part of the European Hydrogen Backbone (EHB) initiative, which is committed to the development of a European hydrogen backbone and is designing concrete plans with the European Transmission System Operators.



FACTSHEET

Gas Connect Austria - fit for the future *ENERGY for Austria and Europe*

Gas Connect Austria (GCA) is an Austrian gas transmission and distribution system operator and is an important partner for the Austrian and European gas supply. **The core tasks of the company are the transportation of gas as well as the operation and maintenance of pipelines and plants for the reliable and safe energy supply for Austria and neighbouring countries.**

of energy per year. This is more than the total energy consumption in Austria (1,450 PJ). **As a result, Baumgarten is one of the most important energy hubs in Europe and thus contributes significantly to the security of supply.** With a share of 22.1% of gross energy consumption, gas makes a valuable contribution to the supply of industry, business and around one million households in Austria.

Gas is distributed quickly, silently and in an environmentally friendly way in Austria through a 900-kilometre-long pipeline network and is passed on to Germany, France, Slovenia, Croatia, Hungary and Slovakia.

With decades of experience and extensive expertise, Gas Connect Austria is facing the challenges of decarbonisation head on and is working intensively with new technologies in order to support the achievement of climate goals in the best possible way.

The import and distribution station Baumgarten, which is operated jointly with the Trans Austria gas pipeline, transports around 1,700 PJ

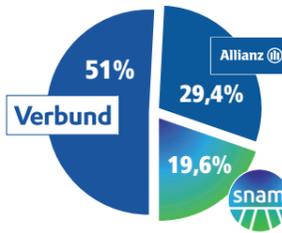
GAS CONNECT AUSTRIA - OVERVIEW

284



Employees

Owners of GCA



156



International transport customers

41 Mrd. m³/a



Gas flowing through the gas hub Austria
(= 465 TWh, Ø 2019-2021)

15%



Share of gas used to produce electricity

8,9 Mrd. m³



Gas consumption in Austria
(= 101 TWh)

22%



Share of gas in terms of gross energy consumption

8,3 Mrd. m³



Storage capacity
(= 94 TWh)

900 km



High-pressure gas pipeline network

56

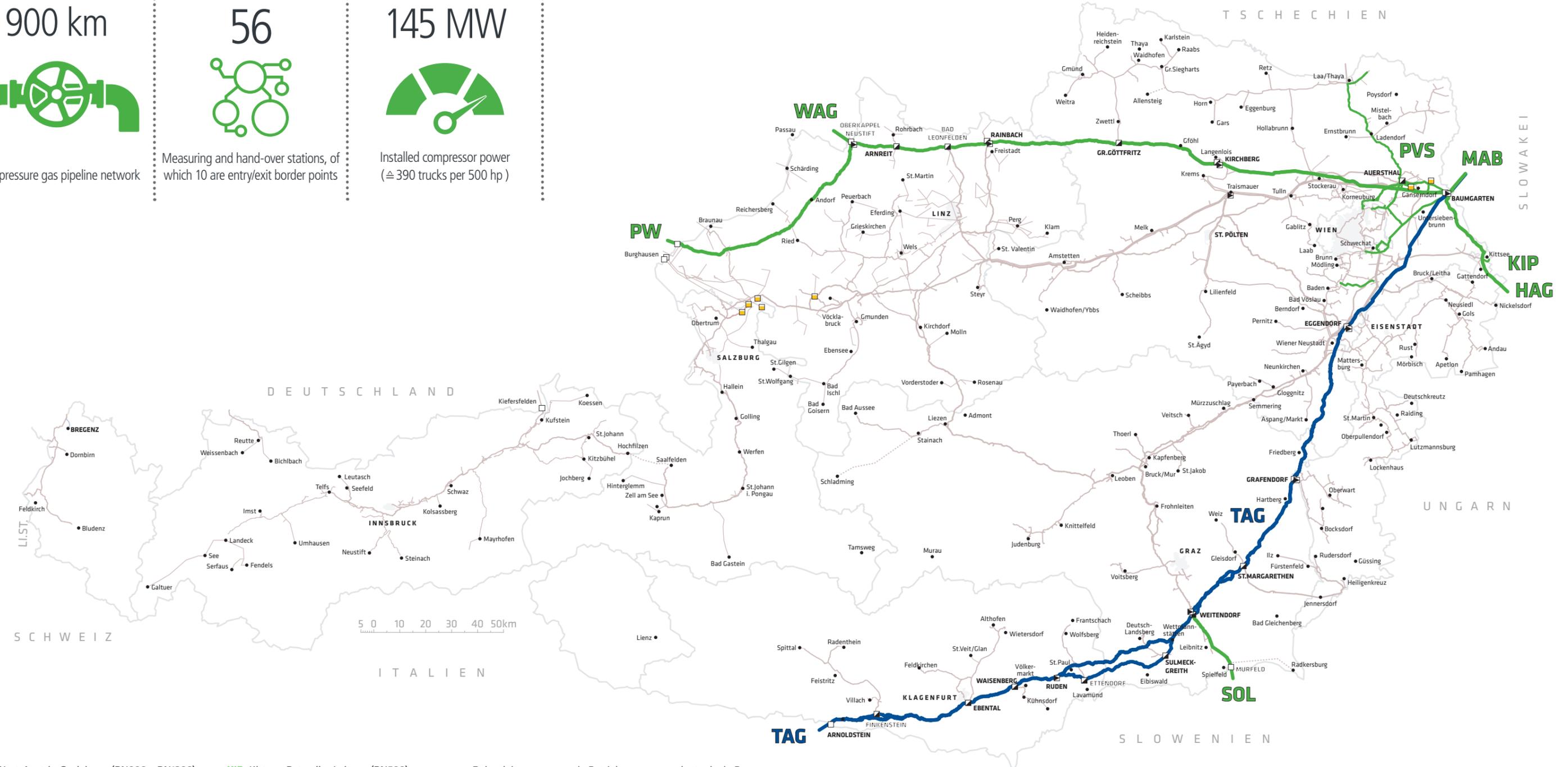


Measuring and hand-over stations, of which 10 are entry/exit border points

145 MW



Installed compressor power
(≈ 390 trucks per 500 hp)



WAG West-Austria-Gasleitung (DN800 + DN1200)
SOL Süd-Ost-Leitung (DN500)
HAG Hungaria-Austria-Gasleitung (DN700)
PW Penta West (DN700)

KIP Kittsee-Petrzalka-Leitung (DN500)
MAB March-Baumgarten-Gasleitung (DN500)
PVS Primärverteilungssystem (DN100 - DN1200)
TAG Trans-Austria-Gasleitung (DN900 - DN1050)

Erdgasleitung — in Betrieb geplant oder in Bau
 □ Meßstation (international) ■ Abzweigstation
 ■ Untertage-Erdgasspeicher ▣ Verdichterstation