GASGRID FINLAND SUPPORTING ELECTRICITY INDUSTRIAL CONSUMPTION AND PRODUCTION

April 2026

Finland's electricity consumption is growing rapidly – Gas transmission network as a solution for consumption and production

The big picture

Finland is shifting toward a cleaner energy system
Rapid growth in weather-dependent power highlights the importance of balancing power in maintaining the stability of the power system. Renewable energy production is concentrated in northern and western Finland, while electricity demand is rising rapidly in the south, driven by data centres and industrial electrification.

Gas infrastructure supports this transition
Gasgrid Finland's network provides a reliable foundation for industrial use and gas engine power plants that help balance the power system.

Gasgrid Finland as part of the solution – Several industrial sites along gas transmission network
Multiple sites along the gas network have been identified for industrial use and gas-based energy production, helping meet growing electricity demand in southern Finland. Gasgrid holds a comprehensive database of potential locations.

Key figures

60 %
Southern Finland's share of electricity consumption in 2030

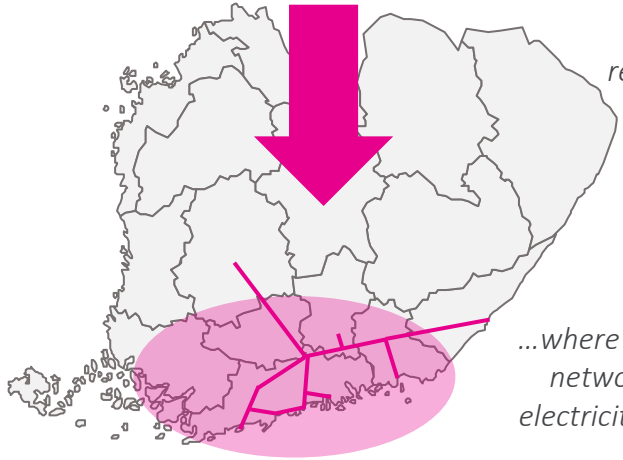
~70 TWh(1)
Estimated electricity consumption growth 2025-2035

15,5 TWh
Energy transmitted by Gasgrid Finland 2025

~20 pcs
Identified rapid development locations

~50 pcs
Gasgrid's plot database of industrial locations

Electricity production, consumption and gas transmission grid

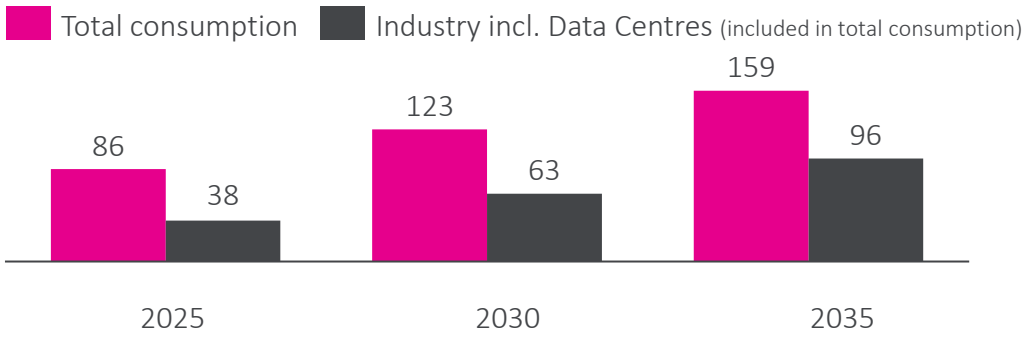


Electricity produced with renewable energy is transmitted from north to south...

...where Gasgrid's gas transmission network and most of Finland's electricity consumption are located

Electricity consumption in Finland 2025-2035 (TWh/a)

Based on Fingrid's excellent competitiveness scenario, according to Q3/25 consumption forecast



(1) In line with Fingrid's scenario forecast of excellent competitiveness (Q3/25)
Sources: Gasgrid, Fingrid, EK Green investments in Finland, YLE, Spring Advisor analysis

Several suitable locations found along the gas transmission network for both gas engines and other industrial operations

1. **A wide range of sites suitable for large-scale industrial operations have been found**
   Gasgrid's studies have identified several locations for data centres and other large industrial consumption near the gas infrastructure.

2. **Several locations identified for gas engine plants supporting the power system**
   Several suitable locations have been identified in the vicinity of the gas infrastructure where the gas engine plant could provide balancing power to the energy system.

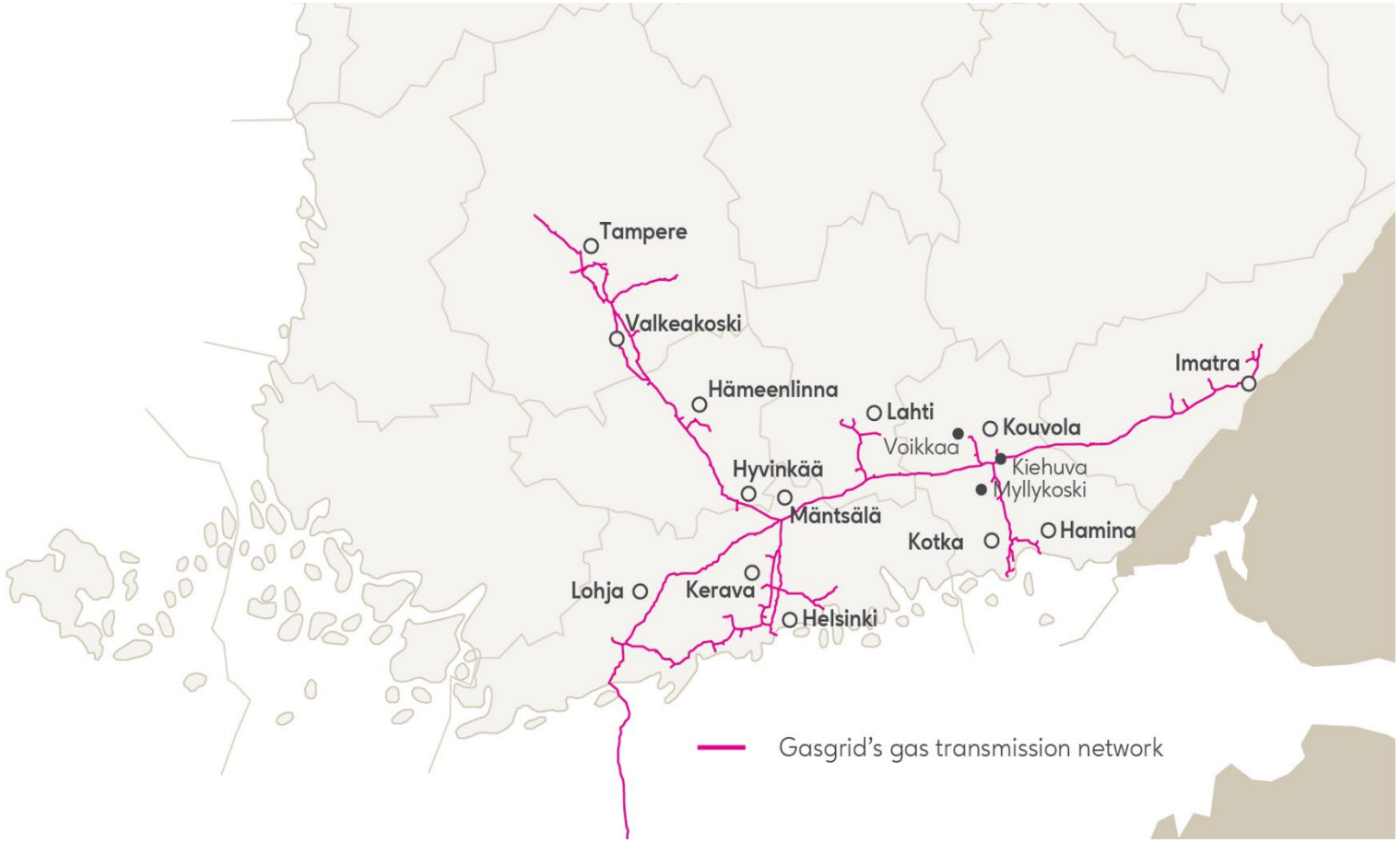
3. **A reliable gas transmission network extends close to all identified sites and supports the electrification of society**
   Gasgrid's natural gas transmission network provides a reliable infrastructure base for identified sites.

4. **Gas power to balance weather-dependent production and high consumption in southern Finland – Found sites can be connected to the electricity grid**
   The preliminary potential of the surveyed sites to connect to the electricity grid has been examined in cooperation with Fingrid – Especially sites suitable for electricity production can be connected to the electricity grid.

5. **The identified sites enable the co-location of industrial-scale electricity production and consumption**
   The co-location of electricity production and consumption enables efficient energy use. Electricity production and large-scale industrial consumption in the same place reduces the load on the electricity grid and thus supports the rapid market entry of consumption, such as data centers.

Locations suitable for gas engines are distributed throughout the gas transmission network

Example sites on the map



Main findings

Several suitable locations have been identified for gas engine plants in the impact area of Gasgrid's methane gas network, from the Helsinki Metropolitan Area to Southeast Finland.

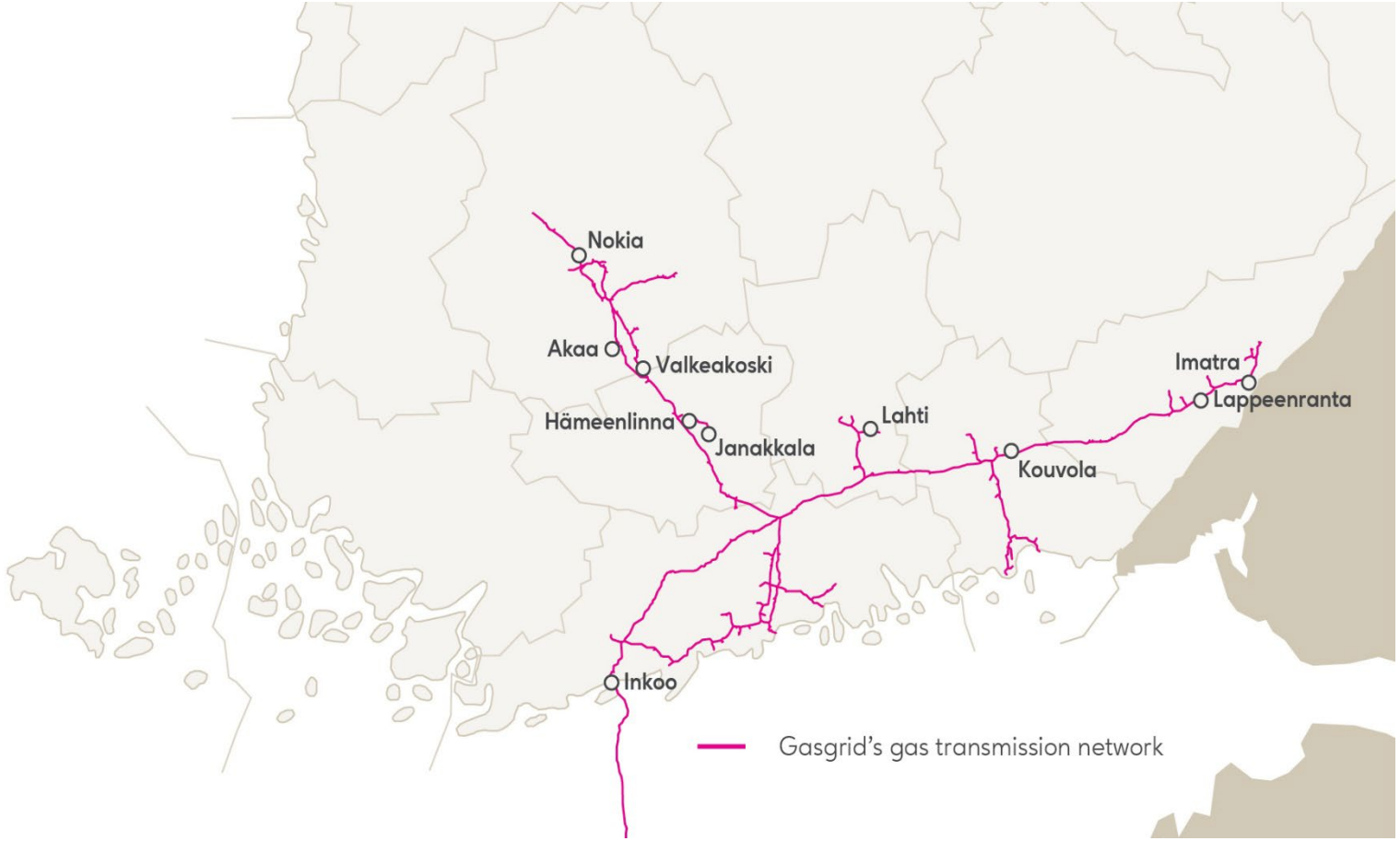
Gas engines can contribute to the electricity production deficit in southern Finland and offer flexible balancing power to balance weather-dependent production.

Connection to the electricity grid has been discussed in cooperation with Fingrid – especially sites suitable for electricity production can be easily connected to the electricity grid.

For connections to the electricity grid, please contact Fingrid well in advance, and for connections to the distribution network, please contact your local distribution network operator to determine the current connection capacity.

Large sites suitable for industrial activities offer opportunities for both electricity production and consumption

Example sites on the map



Main findings

Several sites suitable for large-scale industrial operations have been extensively identified along the gas network – the sites are primarily zoned and ready for rapid development.

In addition, Gasgrid's larger plot database covers a wide range of sites that offer longer-term development potential for industrial-scale projects.

The co-location of the gas engine and industrial consumption enables projects to progress even in areas with limited electricity grid – local electricity production reduces the power required from the grid.
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WOULD YOU LIKE TO HEAR MORE ABOUT THE TOPIC?

CONTACT US – WE WILL BE HAPPY TO TELL YOU MORE ABOUT OUR FINDINGS AND COOPERATION OPPORTUNITIES

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