

REVERSE FLOW STATIONS

From low to high pressure, from transmission network to distribution network

When the local network is no longer able to receive additional gas, the gas can be transferred back to the transmission network.

Our Reverse Flow Stations make this possible by integrating de-odorization, metering, analysis, compression and any other processes that may be required.

These systems are designed to maximise injection from distributed production, ensuring flow traceability, continuity of operation and full regulatory compliance.

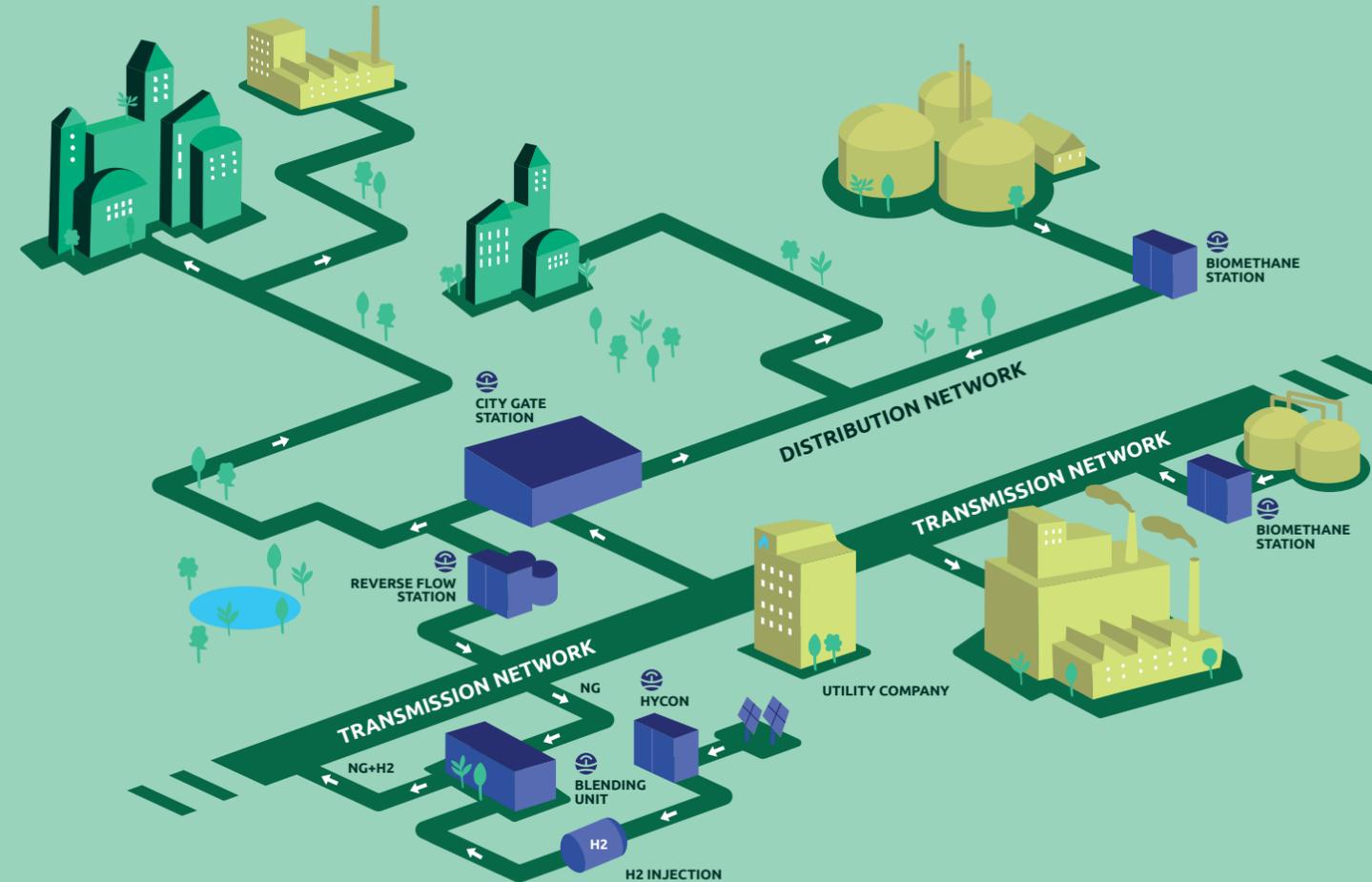


- Turnkey design and construction.
- Modular, configurable solutions tailored to the specific characteristics of the networks.
- Integrated metering and analysis on reverse-flow streams.
- Systems certified for custody transfer metering and compliant with the relevant international standards.

Biomethane Stations

Receives upgraded biogas and checks its compliance through custody transfer metering and continuous in-line analysis.

Enables the grid injection of safe and compliant biomethane.



Blending Units

Mixes hydrogen and natural gas, managing variable concentrations for grid injection and direct supply to end users.

An enabling technology for power-to-gas projects and energy communities.

Reverse Flow Stations

When biomethane production exceeds the capacity of the distribution network, the station de-odorizes, meters, analyses and compresses the gas for its transfer towards the transmission network.

An advanced and innovative technology, currently offered by a limited number of vendors in Europe.

Integrated services and systems for hydrogen, biomethane and innovative energy carriers

Regas plays an active role in the main biomethane and hydrogen projects.

Regas offers complete systems for energy infrastructures, industrial applications and experimental installations, with more than 100 projects completed in these specific domains.

OUR MAIN CLIENTS



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BLENDING UNITS

Solutions for hydrogen blending and grid injection



The energy transition requires infrastructures capable of handling variable mixtures of natural gas and hydrogen.

Our blending units ensure that gas blends injected into the grid are always compliant and can be adapted to the specific needs of networks and end users.



Since 1998, Regas has been designing and manufacturing innovative technologies and systems dedicated to gas treatment for grid operators, industrial customers and EPC contractors.



European Clean Hydrogen Alliance



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BIOMETHANE STATIONS

One single partner for biomethane metering and analysis

Biomethane enters the grid only when it is safe, compliant and fully accounted.

Our Biomethane Stations integrate custody transfer metering, gas quality analysis, pressure regulation and gas odorization.

These solutions are designed to ensure continuous operation and regulatory compliance for direct grid injection, CNG trailer loading, liquefaction systems and natural gas for vehicles.



Energy progress for a changing gas network

- Tailor-made design.
- Modular and customized solutions.
- Integrated metering and analysis.
- Systems certified for custody transfer metering and compliant with the relevant international standards.
- Dedicated after-sales support, including extended on-call service.
- More than 80 references to date (Data as of November 2025)