



**Measurement, control and quality – the
real gateway to the grid for green gases**

Gianmarco Peretti
Sales & Marketing Manager – Regas SpA

Regas Group

Regas SpA was founded in **1998** by Francesco Jamoletti and Angelo Mapelli, and it has grown steadily year after year, increasing its revenue.

In **2021**, the **Credem Private Equity** fund acquired a majority stake in the company, with Jamoletti retaining 30%.

The fund enriched the company's know-how by acquiring **IGS Dataflow** in **2023**, leader in the gas metrology sector.

In **2024**, **Idro Gas Engineering** also joined the Regas Group, entering the water pipeline business.



regas | Energy[®] progress



IDRO GAS ENGINEERING S.A.S.



I.G.S. DATAFLOW

Regas Group

	2024	2023
Revenues (k€)	39.814	33.136
EBITDA (k€)	8.854	8.052
Employees	115	98



Key Customers – Regas Group



REGAS – enabling the energy transition

Regas has been the trusted **technology partner** for Italian and European **gas DSOs and TSOs**, since 1998.

We drive **innovation** in the natural gas sector and support the **transition** towards a cleaner, safer, and more **sustainable** energy system.

Our deep **expertise** in gas technologies puts us at the forefront of the energy transition, delivering cutting-edge, **tailor-made solutions** for green gases such as **biomethane** and **hydrogen**.



European Clean
Hydrogen Alliance



The ecological challenge...

Challenging targets set by PNIEC and PNRR national plans in accordance with the EU directives.



**5.7 million cubic
meter /year from
biomethane**



**5 GW installed
electrolysis capacity**

...that brings to a technological challenge

Biomethane

- Gas quality compliance.
- Chemical and physical properties.
- 24/7 network receptivity.
- Odorization & de-odorization issues.
- Reliability of metering and analysis data.
- Need for minimization of downtime.

Hydrogen

- Strict and low concentration limits by law.
- Compatibility of materials.
- Need for future flexibility and scalability in concentration.

Biomethane metering & analysis systems – the needs

Compliance to DSOs/TSOs procedures and restrictions.

Mass production and customization capabilities.

Legal metrology, gas analysis & process control skills.

Readiness to a swift commissioning.

Biomethane injection plants

Biomethane stations for the injection both at transmission and distribution level, virtual pipeline and **Reverse Flow** applications

Gas quality analysis devices.

Flow & energy custody transfer systems.

Integrated odorization systems for low-flow applications.

Data transmission and plant **operation monitoring** – adaptable to third parties SCADAs.

After-sales, on-call 24/7 **support**.



Reverse flow plants



Reverse path of natural gas from the distribution to the transmission network.

Allowing biomethane producers to inject their entire production **avoiding grid saturation.**

Filtering, de-odorization with activated carbon filter system, analysis, metering system, booster and injection to TSO network.

Blending units for Smart Grids



Blending of natural gas and hydrogen.

One of the few projects (2025) to feed a blend of H_2 and CH_4 to distribution networks and industrial users.

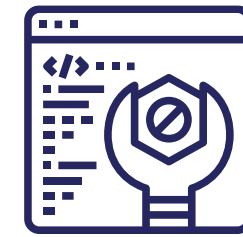
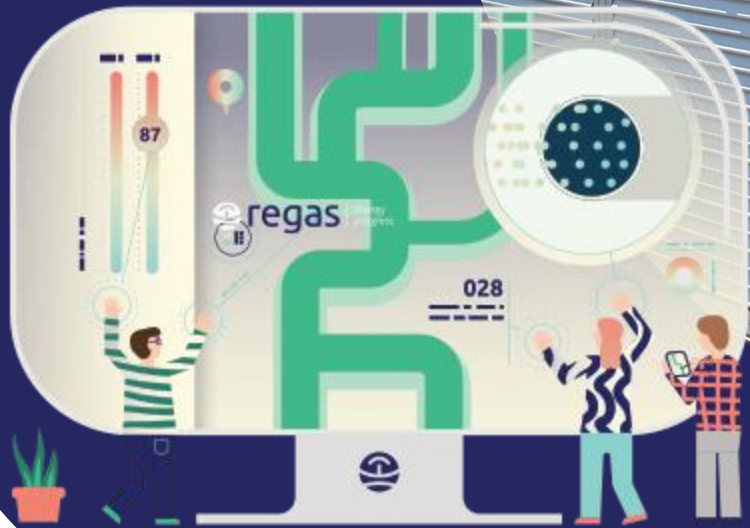
Inline gas chromatographic devices for multi-stream analysis.

Smart management of variable H_2 concentrations based on demand and flow rate.

System designed for outdoor use in ATEX zones.

Compatible with third-party SCADA systems.

HyCON – the compact Plug&Play P2G Unit



Automatic, reliable, accurate.



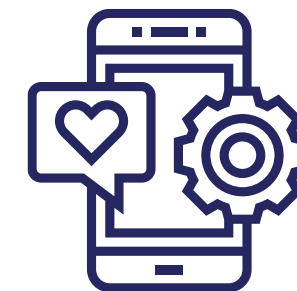
Easy to transport and ready for installation.



Different applications possible.



Easy maintenance and user-friendly software interface.



Remote control and management services available through IoT interface.



GC for Calorific Value & Gas Quality

100+ units installed & operational.

Micro-TCD technology.

Data collection remotely and in real time—compatible with third party SCADAs.

Up to **four analytical modules** for inline analysis of different compounds.

ATEX Zone 1 certification.

OIML R140 / WELLMEC / ISO6976 Class A accuracy.

Hydrogen measurement **up to 10%**.

Simultaneous measurement of H₂S, O₂ & other compounds (optional).





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