

CUSTOMER CASE

Richard Geiss GmbH



Sector, activity

Richard Geiss GmbH is in the waste management sector, specializing in processing solvent waste through thermal separation techniques. This allows us to recover solvents with the highest purity for reuse in the chemical industry.

The interviewed

Laboratory Manager at Richard Geiss GmbH.

Main Location, city

The generators are used in the company's laboratory at the Richard Geiss GmbH facility in Offingen, Germany.



APPLICATION

The hydrogen gas generated by the LNI Swissgas hydrogen generators is currently used as both a carrier gas and a fuel gas for 10 FIDs in gas chromatography (GC).

NEEDS

Consistent purity of the hydrogen gas is crucial for high-quality analysis. The use of HG PRO 1300 hydrogen generators (2 units) and the ZA FID Air 6.0 system ensures accurate and reliable analysis of solvent distillates. The operation of our GC systems is no longer affected by cylinder changes, improving efficiency. Handling of gas cylinders has been significantly reduced, improving workplace safety and reducing rental costs.

SOLUTION

The HG PRO 1300 hydrogen generators and the ZA FID Air 6.0 system offer several benefits:

- ✓ Continuous and reliable gas supply, avoiding interruptions from cylinder replacements.
- ✓ Safer working conditions, with reduced handling of high-pressure gas cylinders.
- ✓ Lower operational costs, as rental and transport expenses for gas cylinders are eliminated.
- ✓ High-purity hydrogen, ensuring precise and reproducible gas chromatography results.
- ✓ Long-term operational stability, as LNI Swissgas generators are designed for continuous, high-performance operation—a reliability not always found in competing products.

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Benda Benjamin, director.

Would you recommend LNI Swissgas generators to other laboratories? - and if so, what would be your main reason for the recommendation?

By using hydrogen generators, handling hazardous gases becomes very simple, and the quality of the self-produced gas remains consistently high. All of this is achieved just by adding pure water to the fuel cell.

General Explanation of what the customer company / contact person is doing to emphasize customers work and highlight use of LNI Swissgas

The ease of use and operational benefits of LNI Swissgas generators are frequently highlighted in both internal discussions and external collaborations

IMPROVEMENTS

90%

Quality of analysis: the self-produced hydrogen maintains a consistently high quality, essential for accurate analysis.

80%

Safety: the use of hydrogen generators makes handling hazardous gases much easier.

