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Green Hydrogen in Cogne

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The project involves the installation of a 1 MW electrolyzer that will produce green hydrogen via electrolysis, utilizing electricity exclusively coming from renewable sources. This hydrogen will fully replace natural gas in a heat treatment furnace, marking a significant step towards cleaner industrial operations.

The electrolyzer will be powered by a newly constructed hydroelectric plant on the Dora Baltea River, with an average nominal capacity of 315 kW and a 300 kW rooftop photovoltaic system. This integration of renewable energy sources underscores the company's commitment to transitioning toward a more sustainable energy model.

Supported by European Union funding under the NextGenerationEU program, the project exemplifies a concrete step in aligning industrial production with environmental sustainability goals. It will result in an annual reduction of 115,000 Smc of natural gas consumption, leading to an estimated decrease of 230,000 kg of CO₂ emissions per year.

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