

NOVEMBER 2024

NEWSLETTER

Welcome to the latest edition of our newsletter at GRZ Technologies SA! In light of recent discussions around sustainable energy, I would like to reflect on a quote by President Jimmy Carter, who stated:

"We must balance our demand for energy with our rapidly shrinking resources. By acting now, we can control our future instead of letting the future control us."

As Carter just turned 100 years old last month, his words remain strikingly relevant. At GRZ, we are actively working toward controlling our future by commercializing innovative hydrogen solutions that pave the way for a cleaner society.

This issue highlights some exciting developments within our company, such as the operation of our DASH C-Series system in Bulle, our participation at the Hamburg Hydrogen Technology Expo last month or our upcoming participation at Hyvolution in Paris in January 2025. We also give you a glimpse into the talented individuals at GRZ, starting with our automation engineer Davide. Finally, we welcome Laura and Etienne to our marketing team, and bid farewell to Claudio, whose contributions have played an integral role in our development.

As we journey toward a sustainable future, I invite you to delve into the contents of our newsletter and I thank you for your continued trust and collaboration.

Noris Gallandat

CEO, GRZ Technologies SA



See you in Paris at
Hyvolution 2025!

We're quickly gearing up to attend Hyvolution Paris, scheduled for January 28-30, 2025. This renowned conference focuses on the three key hydrogen markets: mobility, energy, and industry. With over 11,000 visitors, 500 exhibitors, and 300 speakers, it's the ideal setting for industry leaders to connect and share insights.

We'll be showcasing our breadth of hydrogen solutions at **booth 4M24**. If you are planning to be in attendance, we invite you to stop by and connect with us!

paris.hyvolution.com/

DASH C-SERIES

Gruyère Hydrogen Power SA (GHP) has realized a flagship hydrogen production project in Bulle, Switzerland powered entirely by renewable energy, primarily solar. GRZ supported GHP with the engineering of the plant and delivered a containerized storage system of the DASH C-Series with a capacity of 200 kg of hydrogen. A few months ago, the system was commissioned and is now delivering green hydrogen to the final customer on demand, decoupled from the production. This enables operational flexibility and the effective use of excess electricity.



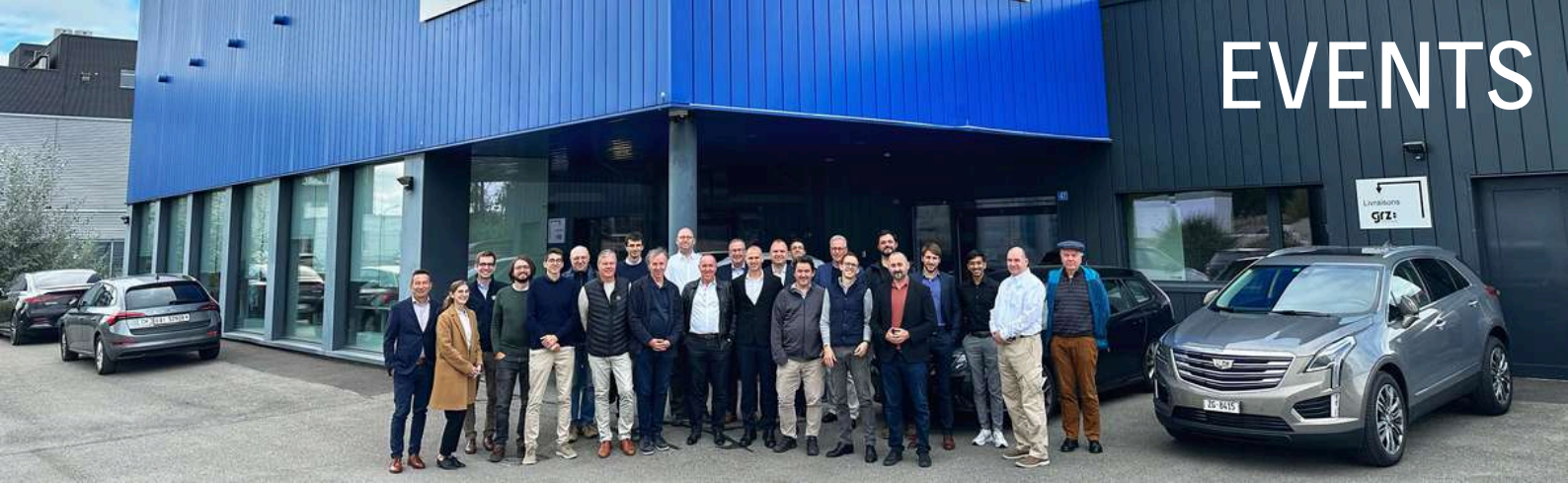
Gruyère Hydrogen Power SA in Bulle, Switzerland

The DASH C-Series by GRZ is a versatile, containerized hydrogen storage system that utilizes metal hydrides for safe, solid-state storage. It offers a compact and safe solution for hydrogen storage in industrial applications, with capacities ranging from around 50 kg of hydrogen to several tons. The system operates at low pressure, absorbing hydrogen directly from the electrolyzer, eliminating the need for compressors and thereby reducing operational costs.

As GHP aims to produce between 200,000 and 300,000 kg of hydrogen annually, the DASH C-Series plays a crucial role in supporting diverse applications, from powering industrial machinery to heavy transport, thereby advancing the adoption of sustainable hydrogen solutions.



DASH C-Series product in operation at our customer's site, Gruyère Hydrogen Power SA



GRZ Partners' Summit 2024

In September, GRZ hosted our second annual Partners' Summit, bringing together representatives from 11 countries worldwide. This event was a fantastic opportunity to strengthen our relationships, share enthusiasm, and explore new avenues for collaboration face-to-face.

During the event, partners showcased their current projects and provided invaluable feedback on how we can better support them. A highlight of the summit was our visit to a client site in Bern, Switzerland, where partners experienced the DASH Power System in action. We also had the privilege of displaying the Hyundai Xcient hydrogen truck in front of GRZ, where partners could explore its features and snap a photo for social media.

We truly appreciated the chance to meet in person and foster connections. Our excitement for the next Partners' Summit, even if it's a year away, is already building, and we look forward to sharing more about our new developments at our next Partners' Meeting on 27 November!



Hyundai Xcient hydrogen truck displayed at GRZ during the 2024 Partners' Summit

Hydrogen Technology Expo

Last month, we were thrilled to participate in the Hydrogen Technology Expo (HTE) held at Hamburg Messe. Our CEO, Noris Gallandat, and CBO, Claudio Ruch, represented GRZ alongside our partner, fischer group, with Stefan Korb and Guido Eckenwalder in attendance.

This major European conference focused on the latest advancements in hydrogen technology attracted over 15,000 attendees and featured more than 300 international speakers. It provided a fantastic platform for connecting face-to-face with our partners while showcasing our latest product offerings.

The event was a great opportunity for collaboration, and we eagerly anticipate our next chance to attend the Hydrogen Technology Expo in 2025!



Noris Gallandat and Claudio Ruch (GRZ Technologies) with Guido Eckenwalder and Stefan Korb (fischer group) at the Hydrogen Technology Expo in Hamburg



NEW PARTNERS

As part of our target to expand towards new markets, GRZ is proud to present two new official partners located in the USA.

Cascadia Energy Technologies, LLC

As a leading US hydrogen distributed energy system designer since 2017, Cascadia Energy Technologies provides reliable Power, EV Charging, On-Site Hydrogen Production & Fuel Dispensing. Cascadia Energy Technologies works with public and member owned utilities, fleets, SME businesses, and community organizations to deliver distributed energy resources using cascadia local fuels—for example from Enapter electrolyzers and GRZ's DASH storage systems. Our mission is safe, reliable power, support for good paying jobs with a future, and limitless clean energy using a manufacturing-to-scale model to deliver modular carbon free solutions.



John A. Gentile, Managing Director, Co-Founder
www.cascadiaenergytech.com/



Chris Muench, Founder and CEO
<https://www.hyviva.com>

Hyviva, LLC

Chris Muench, CEO of Hyviva LLC, leverages his extensive background in technology, industrial automation, and innovation to lead Hyviva and its mission to offer a sustainable alternative to batteries. Their flagship product, VivaGrid, integrates renewable energy with green hydrogen for on-site production and short- and long-term energy storage, catering to both residential and commercial sectors. The VivaGrid system is modular and scalable, allowing for easy adoption and extension according to specific energy needs, thus providing a tailored energy storage solution that can grow with the customer's requirements. Hyviva strives to provide clean and green energy backup solutions that are modular and easily adaptable, helping customers achieve energy independence and contribute to environmental conservation.



THE TEAM AT GRZ

Daive Haas, Automation Engineer

"I have always had a passion for technology and innovation, which led me to study as an automation operator at SAM Bellinzona. I then worked at a company in Ticino (the Italian-speaking region of Switzerland) producing micromagnets for the medical sector. After a few years and with a desire to tackle more challenging projects, I decided to resume my studies and become an automation engineer. When I finished my studies in 2020, GRZ was an easy choice, as it offered everything I was looking for: an environment with opportunities for growth that was innovative, stimulating, and highly varied. At that time, we were still a small team, so I was in charge of all aspects of the electronics and part of the software. After developing the new version of FLEXI HyCo, I was entrusted with the management of this product.



Daive Haas, Automation Engineer

"Now that the company is growing and functions are becoming more specialized, I am still active in the electronics department as Deputy Head, and in parallel I am involved in managing some projects—a field that excites me a lot and in which I am currently taking evening classes.

"Over the past years, I have seen many changes and look forward to tackling the next stages of growth and consolidation with GRZ."

New Marketing Team

We're thrilled to welcome Laura Ovadia and Etienne Béguin to the GRZ team! As our new marketing heads, Laura and Etienne bring a wealth of experience in marketing and branding, along with a shared commitment to advancing sustainable solutions. Their expertise will be invaluable as we strengthen our presence and positioning in the hydrogen technology sector, reaching a broader audience with a clear and compelling message. Both are deeply passionate about driving change through technology, and their arrival represents an important step forward in building a strong, recognizable brand for GRZ Technologies SA. We're excited to see how their fresh perspectives and strategic insights will shape our growth and amplify our impact. Welcome to the team, Laura and Etienne—we're looking forward to a brilliant future together!



Laura Ovadia, Co-head of Marketing



Etienne Béguin, Co-head of Marketing



THE TEAM AT GRZ

Departure of our Co-Founder, Claudio Ruch

As we move forward into a new chapter at GRZ Technologies SA, we bid farewell to Claudio Ruch, one of our co-founders. Since our establishment in 2017 alongside Prof. Andreas Züttel and Noris Gallandat, Claudio has played an important role in developing our company and laying the groundwork for our innovative pioneering journey in hydrogen technology.

Claudio was instrumental in acquiring and realizing several projects, such as the first DASH Power system developed for the Swiss utility ewb, setting up the strategic collaboration with fischer group, and the development of state-of-the-art software programs for industrial applications.

We are grateful for Claudio's efforts and dedication throughout his tenure. His commitment to the company has helped us reach many milestones, and we wish him the very best in his future endeavors.

As we embark in this new direction, we remain focused on our mission and are excited about the opportunities that lie ahead. We thank Claudio for his continued support and wish him all the best in his future endeavors as we evolve into a new era for GRZ!



Claudio Ruch, Co-founder of
GRZ Technologies SA