

APRIL 2024

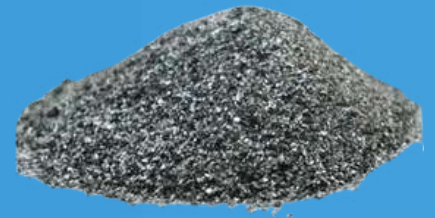
NEWSLETTER

2024 has been off to a quick start from the beginning. We are delighted to share the latest news from the hydrogen world. We are continuously developing our partners network to make our products available through highly qualified, local partners. In this Newsletter, some of the new GRZ Official Partners will be introduced.

We are also happy to continue expanding our team in order to keep up with the growing market demand for solutions that help transitioning to a sustainable energy future.

On the technical side, substantial progress was made with the production of two DASH Power systems that will be delivered shortly. The two systems combined can store 7 MWh of electrical energy and deliver up to 1 MW of electrical peak power. We are now entering the next phase of industrialization and are looking for the next users of our DASH Power systems. If you want to be the next “forward-looking” user of our advanced hydrogen-based energy storage, please reach out to us. The world’s largest metal hydride compressor has also gone into operation and is now using waste heat to compress hydrogen and refill trailers, substantially reducing all running costs and maintenance needs. More information on that system will be shared in the upcoming newsletter issue.

As always, we are ready to help you find the optimal solutions. Simply reach out to our team at sales@grz-technologies.com or to one of our GRZ Official Partners.



Did you know?

GRZ has developed over 300 alloy compositions for our metal hydrides (MH). The alloys used in GRZ's products are proprietary. The alloys used in GRZ's standard DASH storages do not contain any critical elements like such as Cobalt, Nickel, Lithium or Platinum.

This makes our system not only optimal for the storage of green energy, but also exemplary in terms of lifecycle analysis. This is further supported by the fact that the process is 100% reversible, which means that the lifetime of our systems can extend well beyond 20 years. And then, they can be easily recycled to a new system without the loss of elements.



NEW PARTNERS

GRZ has a clear strategy to work with local, qualified partners in order to be closer to the market and provide optimal service to our final customers. We are building a global presence, such that a local GRZ partner can help designing and delivering the best state-of-the-art hydrogen solutions. In this issue, we present selected partners.



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Established in 1964 in Spain, **AMPO POYAM VALVES** is an international leader in the design and production of highly engineered valves and Integrated Smart Solutions for the most severe services and industries, covering applications in the energy, petrochemicals, chemical, mining and power sectors. AMPO develops custom fluid handling solutions, working hand in hand with leading EPCs and end users, in order to offer optimum valve solutions and meet the most demanding requirements. AMPO's engineers are experts in low carbon energies and we also have experience in strategic energy transition projects with hydrogen. This partnership with GRZ will strengthen our position as a green energy key player and will also enhance our tailor-made INTEGRATED SMART SOLUTIONS (ISS) development services. Because at AMPO we offer more than just valves, we offer complete bespoke integrated systems."

said Iker Kortejarena, Hydrogen Solutions Sales Manager at AMPO. "We have chosen GRZ's modular technology for its ability to scale, integration possibilities with other technologies, safety, and easy operation. We are excited to work closely with them driving energy transition for a more sustainable future". **Learn more about AMPO at www.ampo.com**

Liquiline AS was established in 2005 in Norway. The company has an extensive list of references within transport, storage, and bunkering of LNG/LBG. The company has delivered several turn-key filling stations and bunkering facilities for ships.

Since 2018, Liquiline's focus has been hydrogen. Today, Liquiline is a wholly owned subsidiary of Hydrogen Solutions (HYDS). Liquiline and HYDS are key players in the Norwegian hydrogen market. HYDS develops, builds, owns, and operates hydrogen plants, and their strategy is to produce green hydrogen and hydrogen derivatives scalable and locally. HYDS opened its first plant (1 MW) at Norway's West Coast in May 2023, and the second one in Egersund was put online in February 2024. The plan is to have more than 30 decentralised hydrogen production sites by 2030 - so locally produced hydrogen will be available everywhere in Norway, supported by GRZ products. **Learn more about Liquiline and HYDS at www.liquiline.no / www.hyds.no**



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NEW PARTNERS

Founded in 2002 in London, **WE Energy** has spent the last 20 years working with large retail companies, including Tesco and Aldi, providing satellite and wireless communications, before expanding into renewable energy solutions. Our recent collaboration with film studios makes our daily work very interesting and we are very fortunate to see the latest blockbuster films being acted out while we 'work'. We design, build and fund solutions for the Studios to enable a greener environment for the entertainment industry as well as fostering an environment for the adoption of AI in our systems. Our latest projects with renewable energies actively look at removing large amounts of greenhouse-gas emissions from on-site diesel usage and replacing them with green hydrogen and solar PV using GRZ Technologies to transition the entertainment industry to Net Zero. Our solutions are Client-Focused as well as Sustainable and Environmentally-Friendly. **Contact us for projects in the UK and visit us at www.we-energy.net**



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Since the beginning in 2016, **INERSO GmbH** in Switzerland has been committed to making a positive contribution to a more sustainable global energy supply by offering its customers innovative energy solutions with a focus on smart technologies, renewable energy sources, and new business models. Today the company has 3 business activities:

- Technology consulting, replacing fossil fuels with sustainable energy sources.
- Development and realization of Industrial projects in the 100 kW to MW power range, together with technology and contracting partners.
- Design and supply of modular P2P energy systems in the 1 to 40 kW power range.

"Our partnership with GRZ is a key element of our business model, giving us access to their revolutionary hydrogen storage and fuel cell technology, which is typically part of most of our industrial projects and an important component of our modular energy units," say INERSO.

Visit us at www.inerso.ch



FLEXI-HYCO PRODUCTION

Since 2018, we have been delivering thermal hydrogen compressors for universities, laboratories and test centers in over 15 countries. The demand is increasing as the hydrogen industry is progressing and education around hydrogen is becoming available in more and more universities. Therefore, we have expanded our production to satisfy the increasing market demand for such systems.

FLEXI HyCo is a high-pressure hydrogen delivery system based on the patented HyCo technology. Thanks to the use of metal hydride technology, the FLEXI HyCo has no moving parts, generates no vibrations and is maintenance-free. It is able to compress hydrogen from an inlet pressure of 10 bar to an outlet pressure of 200 bar. It can also be delivered with an electrolyzer to create a complete high-pressure hydrogen on-demand delivery system. Thanks to the FLEXI HyCo, high-pressure cylinder handling is no longer needed and ultra-pure high-pressure hydrogen is just one button away.



The system is sold worldwide by GRZ's exclusive sales partner KEP Technologies, known for the Setaram brand.

If you too are in need for hydrogen-on-demand, please contact KEP Technologies online:



NEW TEAM MEMBERS

We are happy to introduce our latest employees: Alexandre Damourette, who recently joined us as Sales Engineer, and Johann Hoepfner, as our Chief Financial Administration Officer. We let them introduce themselves.

"I am excited to embark on my new journey with GRZ Technologies as a Sales Engineer, bringing a wealth of international experience from providing innovative augmented reality and CAD software solutions to technical industries, alongside a robust engineering background. My past success in fostering partnerships and driving deals as a Key Account Manager has prepared me to contribute significantly to GRZ's groundbreaking work in green hydrogen technology. I am already impressed with GRZ Technologies' innovative products such as the DASH systems, HyCo Compressor, and UPSOM Methanation Reactor. The technology will play a pivotal role in our mission to fuel the energy transition towards a renewable future, ensuring our solutions meet today's needs while paving the way for a sustainable tomorrow. I look forward to forging strong partnerships and exploring new horizons with our clients and partners, driven by the shared goal of environmental sustainability and technological excellence."



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Johann Hoepfner

"When looking for the next challenge opportunity in my career, GRZ Technologies ticked all the boxes on my bucket list. After over 30 years of activity in Finance and Administration, often linked with IT, and over 10 years of business development in the Market Research industry, I am happy to offer my experience and expertise to a young, fast-growing enterprise. My past projects included implementing ERPs, establishing subsidiaries in Europe and the USA, as well as corporate acquisitions. With a highly motivated team and a range of solutions designed to make the usage of hydrogen safe and affordable, GRZ Technologies is bound to make a strong impact in the transition to renewable energies. GRZ's products are right on spot in a critical period, when new energy sources require innovative products like the DASH Storage and DASH Power, powerful HyCo compressors for Fuel Cell vehicles or transportation, and the UPSOM methanation reactor to supply carbon-neutral gas to consumers. I am extremely proud to be part of this journey and look forward to all the interesting exchanges with partners and clients."