



Press Release

Rouge H2 Engineering GmbH

RGH2 plans to revolutionize H2-Production and Storage

H2 is not only an attractive storage medium for the "energy transition" - it is also already in daily use in many industrial areas, such as the glass- or steel industry, just to name a few.

But how does the element get to its professional user today? Big centralized plants produce the Hydrogen, which is then filled into gas bottle bundles, packed onto specialized trucks and road-transported to the customer. Rouge H2 Engineering GmbH (in short: RGH2) is intending to change this system and its ecological impact fundamentally. And they say it will make sense not only for the environment, but also for the purse of the customer.

RGH2's specialists, who are located in Austria's Graz (with its famous Technical University) and in Altdorf/Boeblingen in Germany's technology-friendly state of Baden-Wuerttemberg (home of Mercedes and Audi), call their system OSOD (On Site On Demand).

OSOD can produce, store, purify and compress hydrogen - all in one system. The only things needed are a source of gas, water and an electricity supply. "Preferably we work, of course, with biogas", says project manager R&D, Dipl. Ing. Dr. Gernot Voitic. "But conventional gas or city gas works as well, and even then we still have a much lower environmental impact than traditional manufacturing and transporting practices."

Fleets of Hydrogen-powered fork lifts or city busses have to source their Hydrogen in a cost-efficient way, and OSOD can be a reasonable choice: "Our initial system is small enough to pay off even if you start with lower or medium H2-amounts, as they are quite common in the early stages of, for instance, new energy city busses", says Dipl.Wi.Ing. Uwe Strohmeyer, who has been part of RGH2's team as Lead Project Manager from the very beginning. "Later, with increasing demand, we can scale up the system step by step, right at the customer's facilities with manageable efforts and cost."

Also operators of biogas plants, who need an intermediate storage facility for excess energy, are considered potential customers for RGH2's OSOD system. They can store their excess energy and can deliver it to fuel cells, for instance to run a CHP, at a later time when the energy is needed: "Biogas and Hydrogen are a perfect ecological team", says CEO Florian von Hofen, who is responsible for both RGH2-operations, in Austria as well as in Germany. "We want to develop this potential with as many partners as possible, and the Hannover-Fair is the perfect place to meet with them."

Rouge H2 Engineering can be found in Hall 27, Stand B75, from April 22-28 at the Hannover-Fair 2017.

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We'll be pleased to send you the following 3 photos (or any of your choice) in high resolution (approx. 3 MB each) via e-mail. Just kindly send us a short message to uwe@rgh2.com. Thank you!

Picture 1:

Field trial hall in Graz, Austria



Picture 2:

A part of the OSOD-Project team. From right to left: Dipl.Wi.Ing. Uwe Strohmeyer, Prof. Viktor Hacker, Dipl. Ing. Robert Zacharias, Dipl. Ing. Sebastian Bock, Dipl.-Ing. Dr. Gernot Voitic



Picture 3:

A partial view of the OSOD-System

