

2G Energy AG Accelerates Data Center Market Entry with New Business Unit Led by Experienced Industry Expert

Heek, May 2025 – 2G Energy AG, one of the leading manufacturers of combined heat and power (CHP) systems and large-scale heat pumps, is strengthening its market position in the rapidly growing data center sector. With the launch of the new “Data Center Solutions” business unit and the appointment of internationally renowned energy expert Dr.-Ing. Tamer Turna as its head, 2G is laying the foundation for sustainable growth in a highly dynamic environment.

Focus on Data Centers: 2G Offers Standardized Solutions to Meet Soaring Demand

Data centers are among the fastest-growing energy consumers worldwide. 2G has already successfully implemented projects in the data center environment in the past. Now, the company is responding to rapidly increasing demand with a clear strategic focus: through competitive, quickly available standardized solutions, targeted investments—such as the expansion of assembly facilities at the Heek site—and a dedicated business unit, 2G is ideally positioned to serve customers in this demanding market. “There is a rapidly increasing need for fail-safe, efficient, and sustainable energy solutions in data centers,” says Pablo Hofelich, CSO of 2G Energy AG. “With our technical expertise, scalable solutions, and now a dedicated organizational unit, we are optimally equipped to meet this demand.”

Energy Autonomy as a Strategic Advantage

With proven 2G CHP and Gas2Power systems, operators can ensure energy independence from the public grid—a crucial advantage in light of growing volatility and power supply bottlenecks. Additionally, optional heat or cooling utilization and the alternative use of hydrogen enable extremely high system efficiency and sustainability. “Our entry into the data center market is a logical strategic step,” Hofelich continues. “We combine energy reliability with efficiency and sustainability—a triad that is indispensable for operators of critical infrastructure.”

Strategic Reinforcement: Dr.-Ing. Tamer Turna Takes Over New Business Unit

As of May 1, 2025, Dr.-Ing. Tamer Turna has taken over leadership of the newly established Data Center Solutions business unit at 2G Energy AG. With over 37 years of international experience in the energy sector, Dr. Turna brings deep technical, commercial, and strategic expertise to the company. Throughout his career, he has been responsible for power plant projects with a total capacity exceeding 110 gigawatts in 86 countries—from planning to sales, operations, and executive management. In recent years, he has focused especially on sustainable energy solutions for data centers. “I am very excited to take on this new role at 2G Energy and to work with the team to deliver innovative and reliable energy solutions for the fast-growing data center industry,” says Dr. Turna.

Efficient and Flexible Container Solutions – Turnkey and Scalable

2G offers two flexible and high-performance container-based concepts for powering data centers, covering both space-efficient and high-performance requirements. The stackable solution based on the avus 1000plus module delivers 1,035 kWel per container with an electrical efficiency of up to 43.7%, allowing for a highly compact design where containers can be stacked vertically. For instance, up to 45

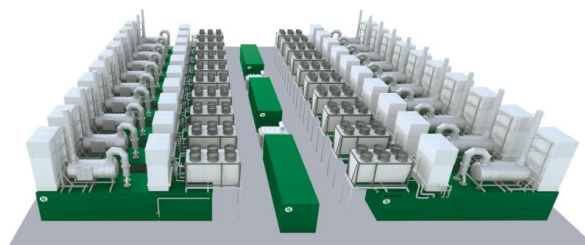
MW_{el} can be achieved in just 55 meters of length and 14 meters of width, with noise emissions limited to 55 dB(A) at a 10-meter distance.

Alternatively, the standard container solution with the avus 2000 module provides about 2,500 kW_{el} per container with an efficiency of up to 44.1%. These containers are installed side by side, making them particularly suitable for larger sites and higher capacity units—up to 50 MW_{el} can be achieved on a 45 by 45-meter footprint with noise emissions of up to 58 dB(A) at 10 meters.

These two modular concepts enable data center operators to tailor their energy supply to available space and power requirements while offering maximum efficiency, operational security, and flexibility. Additional configurations and custom solutions are available upon request.



Stackable Solution



Area-Based Solutions

Further information can be found in the "Data Center Solutions" section on the 2G website:

[Data Centers](#) | [Cogeneration for data centers](#) | [2G Energy](#)

About 2G Energy AG

The 2G Energy AG Group is a globally leading manufacturer and system provider of decentralized energy supply systems. The company develops, produces, and installs comprehensive solutions in the structurally growing market of high-efficiency combined heat and power (CHP) systems, large-scale heat pumps, and peak load units. Its product portfolio covers three types of energy generation:

- CHP systems with outputs ranging from 20 kW to 4,500 kW, operating on hydrogen, natural gas, biogas, and other low-calorific gases
- Large-scale heat pumps ranging from 100 kW to 2,600 kW
- Peak load units with an electrical output starting at 500 kW

To date, more than 9,000 2G systems installed worldwide supply a wide range of customers—including housing companies, agricultural businesses, commercial and industrial enterprises, utilities, municipal utilities, and local authorities—with both electrical and thermal energy.

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