

New Demand Response-Optimized Power Solution Enhances Grid Reliability and On-Site Resilience

Heek / St. Augustine (USA), 21. Januar 2026 – 2G Energy AG today announced the launch of the DR aura 412 at POWERGEN International in San Antonio, Texas. The new system is designed to deliver fast-response, dispatchable power for demand response, grid support, and island operation as U.S. power systems face growing variability and reliability challenges.

As renewable generation continues to expand across North America, grid operators and energy users increasingly require flexible, on-site resources that can respond within seconds. The DR aura 412 addresses this need by combining proven continuous-duty engine technology with advanced digital controls optimized for demand response and grid-support applications.

Built on 2G's established engine platform, the DR aura 412 is engineered for rapid power delivery, grid-parallel and island operation, including prime power applications, and participation in organized demand response programs. Digital connectivity enables seamless integration with aggregators and control platforms while enhancing on-site energy security.

Demand Response as a Strategic Grid Resource

As power systems evolve, flexibility is becoming essential to maintaining reliability and system efficiency.

"Demand Response is becoming a strategic element of modern energy systems. Flexible and decentralized power solutions such as our DR aura 412 enable companies to actively support system stabilization while strengthening their own resilience and competitiveness," explains Pablo Hofelich, CEO of 2G Energy AG. "The launch of this product underscores our ambition to be a leading technology partner for safe, efficient, and climate-compatible power solutions."

Engineered for Fast Response, Built on Proven Innovation

The DR aura 412 is the result of several years of focused in-house development, with emphasis on engine dynamics, control systems, and fuel flexibility.

"Over the past years, 2G has emerged as a technological benchmark in decentralized power generation," states Frank Grewe, CTO of 2G Energy AG. "The DR aura 412 clearly demonstrates the innovative strength of our company: it combines dynamic operating strategies with state-of-the-art control systems, is built on our proven engine technology, and is prepared for the use of alternative gases such as hydrogen. This is the outcome of consistent development work and makes the product fit for the future demands of flexible power markets."

Key Capabilities of the DR aura 412

Designed specifically for flexible power and demand response applications, the DR aura 412 provides:

- Rapid power response within seconds
- Grid-parallel and island operation capability
- Support for ancillary and grid services
- Digital connectivity for demand response programs
- Fuel flexibility, including natural gas and propane, with a pathway to hydrogen

These features make the DR aura 412 well-suited for applications requiring fast response, backup power, prime power, and grid participation, including industrial facilities, data centers, critical infrastructure, and microgrids.

About 2G Energy

2G Energy is a leading international manufacturer of combined heat and power (CHP) systems for decentralized electricity and heat generation. The company's portfolio covers electrical outputs from 20 kW to 20 MW and supports operation on natural gas, biogas, and hydrogen.

2G Energy designs and manufactures its own engine platform, recognized for high electrical efficiency, low fuel consumption, high availability, and optimized maintenance intervals. The company has installed over 10,000 systems worldwide, including more than 350 installations in North America through 2G Energy North America, and provides comprehensive service and lifecycle support.



Photo 1: DR aura 412



Photo 2: 2G Energy presents DR aura 412 for the first time at POWERGEN 2026 in the US

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