FOR RELEASE

Martin Energy Group and Guascor Energy Announce Native BESS Hybrid Control Integration

Tipton, Missouri / Bilbao, Spain — Martin Energy Group and Guascor Energy have successfully validated a new native hybrid control integration combining the Guascor GCS-E control system, the Guascor G-56HM engine, and a Battery Energy Storage System (BESS) provided by Martin Energy.

This milestone demonstrates fully coordinated hybrid operation across multiple modes, including grid-connected operation, pure island mode, and islanded operation supported by battery storage. The integration allows the control system to automatically adapt its behavior based on the operating condition, ensuring stable, efficient, and responsive power delivery.

In traditional island mode, the generator set must manage frequency and voltage regulation on its own, requiring fast and stable control responses. With the addition of a BESS, power delivery, ramp rates, and control dynamics must be coordinated differently to balance energy, support transient loads, and reduce mechanical stress.

Through native integration between the Guascor GCS-E control platform and the Martin Energy BESS application layer, the system can seamlessly transition between operating modes while applying the correct control strategy for each scenario.

Key benefits of the integrated system include:

- Smoother, safer transitions between operating modes
- Optimized power delivery and load management
- Enhanced dynamic response to changing conditions
- Reduced stress on engines and electrical equipment
- Improved overall system performance and customer experience

This collaboration represents a significant step forward in hybrid-ready generation systems, delivering flexible, integrated, and future-oriented energy solutions for modern distributed power applications.

“This integration demonstrates the flexibility of the GCS-E control platform and the strength of our collaboration with Martin Energy,” said Javier del Valle, Control Manager at Guascor Energy. “By combining our GCS-E control system and G-56HM engine with Martin Energy’s

BESS, we are proving what fully coordinated hybrid operation can achieve across all modes. Together, we are advancing practical, hybrid-ready generation solutions that deliver smoother transitions, optimized power delivery, and a more resilient experience for customers."

"Martin Energy is pleased to further advance BESS technology through deep integration with Guascor's advanced control system," said Dedrick Martin, Service & Technical Manager at Martin Energy Group. "Martin's microgrid experience, combined with collaborative innovation, demonstrates our flexibility and vision for resilient, powerful microgrid solutions."

About Martin Energy Group

Founded in 1976 and headquartered in Tipton, Missouri, Martin Energy Group (MEG) designs and manufactures integrated energy systems including microgrids, generator packages, combined heat and power (CHP) systems, switchgear, battery energy storage, anaerobic digester facilities, and renewable natural gas systems. MEG engineers, manufactures, and tests its systems in-house, delivering reliable, custom power solutions to customers worldwide.

About Guascor Energy

Guascor Energy is a leading company with more than 60 years of experience in the design and manufacture of diesel and gas internal combustion engines using its own technology. The company provides efficient and environmentally responsible technology platforms, products, and services for distributed power generation across oil and gas, industrial, institutional, and commercial markets, as well as rural electrification programs. Guascor Energy offers a complete product range that meets the strictest regulatory and safety requirements while adapting to each customer's specific needs.