

# Modern Hydrogen and Mesa Solutions Partner to Deliver On-Site Clean Power for Data Centers

*Industry leaders unveil collaboration to enable next-generation, reliable, and cost-effective hydrogen power generation from natural gas*

DALLAS, TX, UNITED STATES, February 11, 2025 /EINPresswire.com/ -- [Modern Hydrogen](#), a leader in distributed hydrogen production and carbon management, and [Mesa Solutions](#), a premier provider of on-site power generation, today announced a strategic partnership to deliver a groundbreaking clean power solution for data centers.

The two companies officially signed the partnership agreement at 10:30 a.m. Tuesday at the POWERGEN International Conference in Houston, with Modern Hydrogen CEO Tony Pan and Mesa Solutions CEO Scott Gromer making joint announcements.

By combining Mesa Solutions' expertise in multi-megawatt on-site power generation with Modern Hydrogen's distributed technology for decarbonizing natural gas, the partnership enables data centers to access reliable, cost-effective, and scalable hydrogen power — without waiting for hydrogen infrastructure buildout or paying for costly delivery.

"Dispatchable, reliable power is the backbone of data center operations, and our partnership with Mesa Solutions ensures that data centers can generate clean energy onsite without waiting for the electricity grid," said Pan. "This partnership represents the next step in adopting hydrogen for onsite energy by leveraging existing natural gas infrastructure already in the ground."



MESA Solutions CEO Scott Gromer and Modern Hydrogen CEO Tony Pan sign a partnership agreement at POWERGEN International Conference, Dallas TX, 2/11/25

Mesa Solutions is developing a new generator set genset that runs on 100% hydrogen, leveraging its deep experience in deploying multi-megawatt on-site power solutions. Modern Hydrogen will supply an on-site solution that converts natural gas into hydrogen and commercially valuable carbon solids. The collaboration enables on-site hydrogen power by pairing the gensets with the local clean fuel production.

This partnership delivers three major benefits to data centers:

1. Distributed Technology — Deploy turnkey, modular solutions for clean, on-site power deployment that is scalable to a facility's needs.

2. Reliable Power — Avoid grid congestion and transmission delays with on-site, dispatchable power.

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Data centers can generate clean energy onsite - without waiting for the electricity grid - by leveraging existing natural gas infrastructure already in the ground.”

*Tony Pan, CEO & Co-Founder  
of Modern Hydrogen*

3. Leverage Existing Assets — Utilize existing natural gas infrastructure for seamless integration, maximizing ROI while reducing costs.

“Mesa has spent years optimizing on-site power generation solutions for high-demand applications,” said Gromer. “By integrating Modern Hydrogen’s innovative hydrogen production, we’re creating a new model for data centers that doesn’t compromise on reliability or cost.”

[This solution](#) allows data centers to deploy scalable, firm power solutions using every natural gas connection

available — without depending on the grid.

Both companies will discuss the partnership further in two industry presentations at POWERGEN International on Wednesday, Feb. 12:

- 1–1:45 p.m. (Exhibit Hall Pavilion 1545): "Decarbonized Natural Gas for Power Generation" —



Mothusi Pahl, VP of Business Development,  
Modern Hydrogen

- 2-2:45 p.m. (Exhibit Hall Booth 2129):  
"Assessment of New Technologies" —  
Thomas Poteet, Senior VP of Corporate  
Development, Mesa Solutions

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#### About Modern Hydrogen

Modern Hydrogen is an energy & materials company. Our proprietary methane pyrolysis technology converts natural gas into high-value hydrogen while producing solid carbon for asphalt, which is used to strengthen roads. By producing hydrogen at the point of use, Modern Hydrogen helps utilities & industry extend the value of their existing energy infrastructure and reduce emissions while maintaining energy security and

affordability. Backed by top investors and customers like Bill Gates, NextEra Energy, and National Grid, Modern Hydrogen is redefining how natural gas resources can become more valuable and sustainable in and beyond the energy industry. Learn more at [www.ModernHydrogen.com](http://www.ModernHydrogen.com).

#### About Mesa Solutions

Mesa Solutions is a power solutions company specializing in the manufacturing, sales, leasing and operations of natural gas and liquid propane-powered mobile and stationary generator sets, and natural gas-powered engines. Mesa continues to be on the leading edge of generator technology manufacturing sound-attenuated, temperature-controlled generator sets in the United States to operate in any climate, engineering the best telemetry that puts real-time information in the hands of all customers, and providing sustainable power generation for commercial and industrial prime power, microgrids, standby power, and a variety of other global applications. Mesa's best-in-class power solutions enable customers to reduce their energy costs and capital expenditures as well as increase reliability and operational up-time, all while lowering emissions and decreasing their carbon footprint. Mesa operates in multiple locations in the United States and across the globe. Learn more at [www.247mesa.com](http://www.247mesa.com).

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