



ENGINUITY

P O W E R S Y S T E M S

Enginuity Applied Technology Division

A trusted partner, assisting the government in meeting their energy needs while promoting a cleaner and more sustainable future.

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The background of the slide is a close-up, slightly blurred image of the American flag, showing the stars and stripes in a draped, flowing manner. The stars are white on a dark blue field, and the stripes are red and white.

About Us

Founded in 2015, Enginuity Power Systems has created the next generation of engine and hybrid generator technology with its patented, four stroke, inwardly opposed piston technology. Our innovative engines are scalable, durable quiet and 10% more fuel efficient than conventional technology and multi-fuel capable of reducing carbon emissions. Enginuity also has a family of residential/commercial co-generation/CHP products based on this proprietary technology.

The **Enginuity Applied Technology** Division continues that innovation to the Department of Defense with the development of Ruggedized Integrated Hybrid Generator Sets (RIHGS) and Secure Integrated Hybrid Micro-Grid solutions with advanced Cyber Security technology protecting our systems from our Nation's adversaries. The Division will also serve as a sales channel for Enginuity Power Systems core commercial products to government organizations.

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Our Product Offerings

Government/Military Generator Solutions



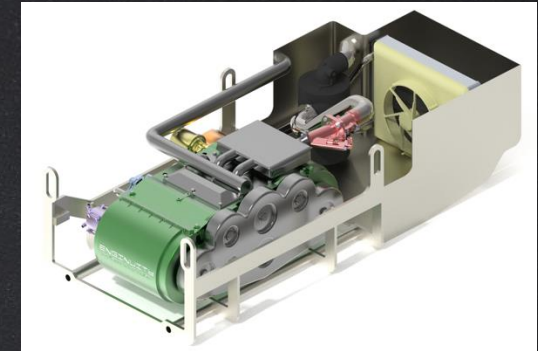
RIHGS 5kW-T



RIHGS 5kW-R



GVSC 30kW V-APU



M1 Abrams Integrated
Generator

Commercial Products for Government Application



E100 CHP



E200 CHP



E8kW

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RIHGS 5kW-T 5kW Hybrid Generator (Current)



A 5kWe VSLF Hybrid inverter generator that meets high performance MIL spec standards. Power for sensitive electronics.

40% lighter & 9% better fuel cons. Vs AMMPS 5kW



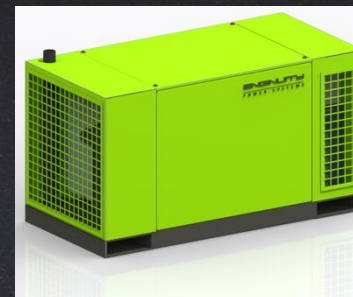
An affordable 7kWe Hybrid inverter generator that meets commercial grade standards with EPA certified engine, for residential / commercial electronics.

(PM-E2S2) RIHGS 10kW Hybrid Generator (2026 Projected Program)



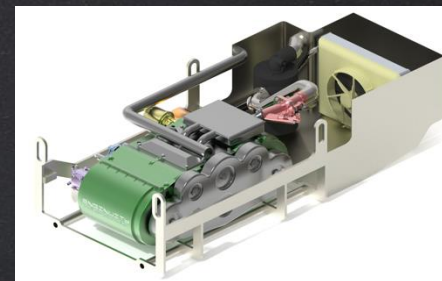
A 10kWe VSLF Hybrid inverter generator that meets high performance MIL spec standards. Power for sensitive electronics. Projected to be lighter & more fuel-efficient Vs AMMPS 10kW.

US Army GVSC 30kW Auxiliary Power Unit 2025 (Projected)



Super compact, lightweight APU for GVSC JLTV featuring an all-aluminum lightweight bespoke engine

U.S. Army M1 ABRAMS Integrated Generator (2026 Projected Program)



Super compact, lightweight APU for M1 ABRAMS featuring an EPS proprietary all-aluminum OP4S w/ IG Engine

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**E8kW Residential Combined Heat and Power (CHP)
2025 (Projected)**



A highly efficient multi-fuel (LPG, NG, Hydrogen) Residential 8kW Combined Heat and Power unit producing electricity, heat and hot water.

**E100 kW CHP
2024 (Projected)**



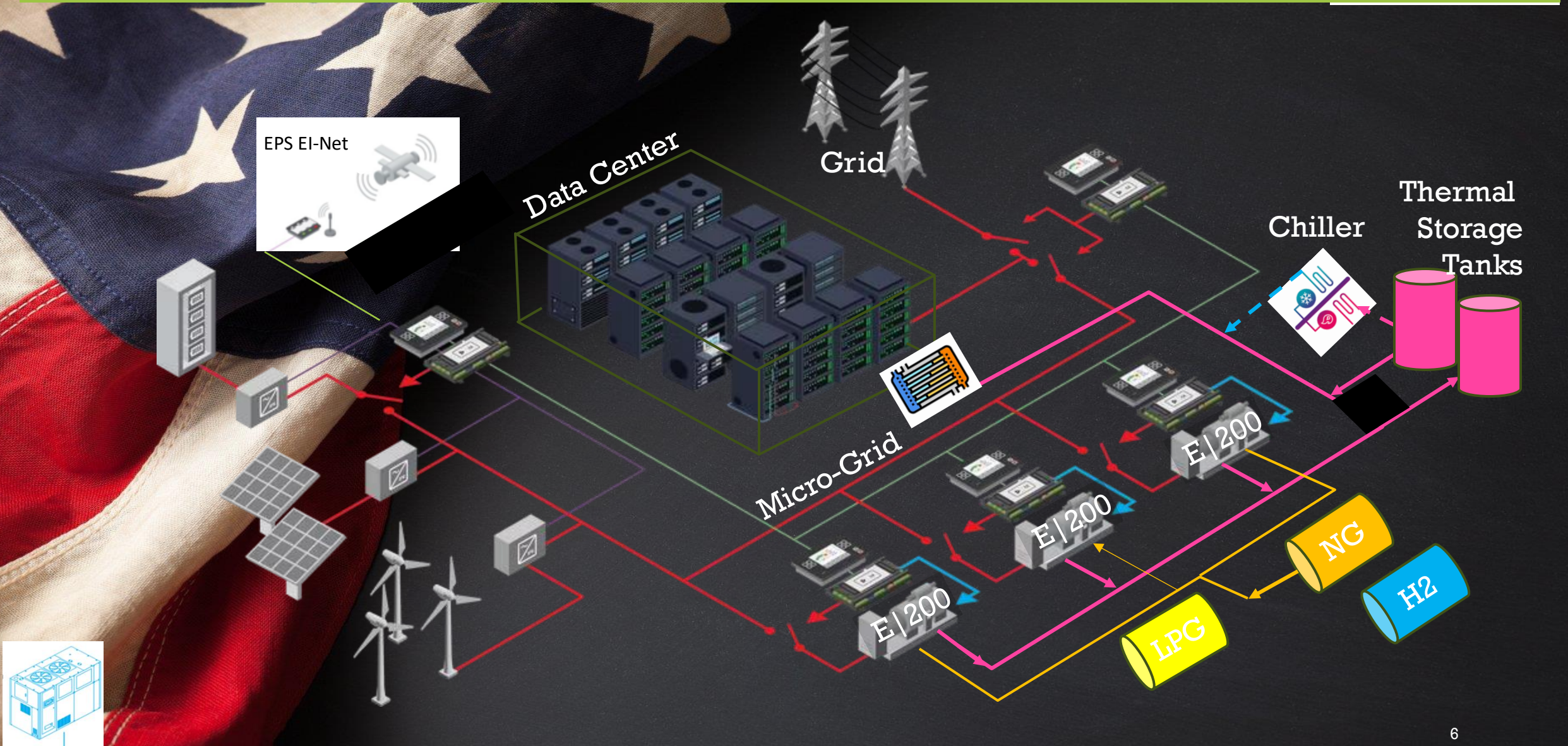
**E200 kW CHP
2024 (Projected)**

*“Heart of the EPS Integrated Hybrid Micro-grid System”
Multi-fuel 100kW and 200kW Commercial Combined Heat and
Power units producing electricity, heat and hot water.*

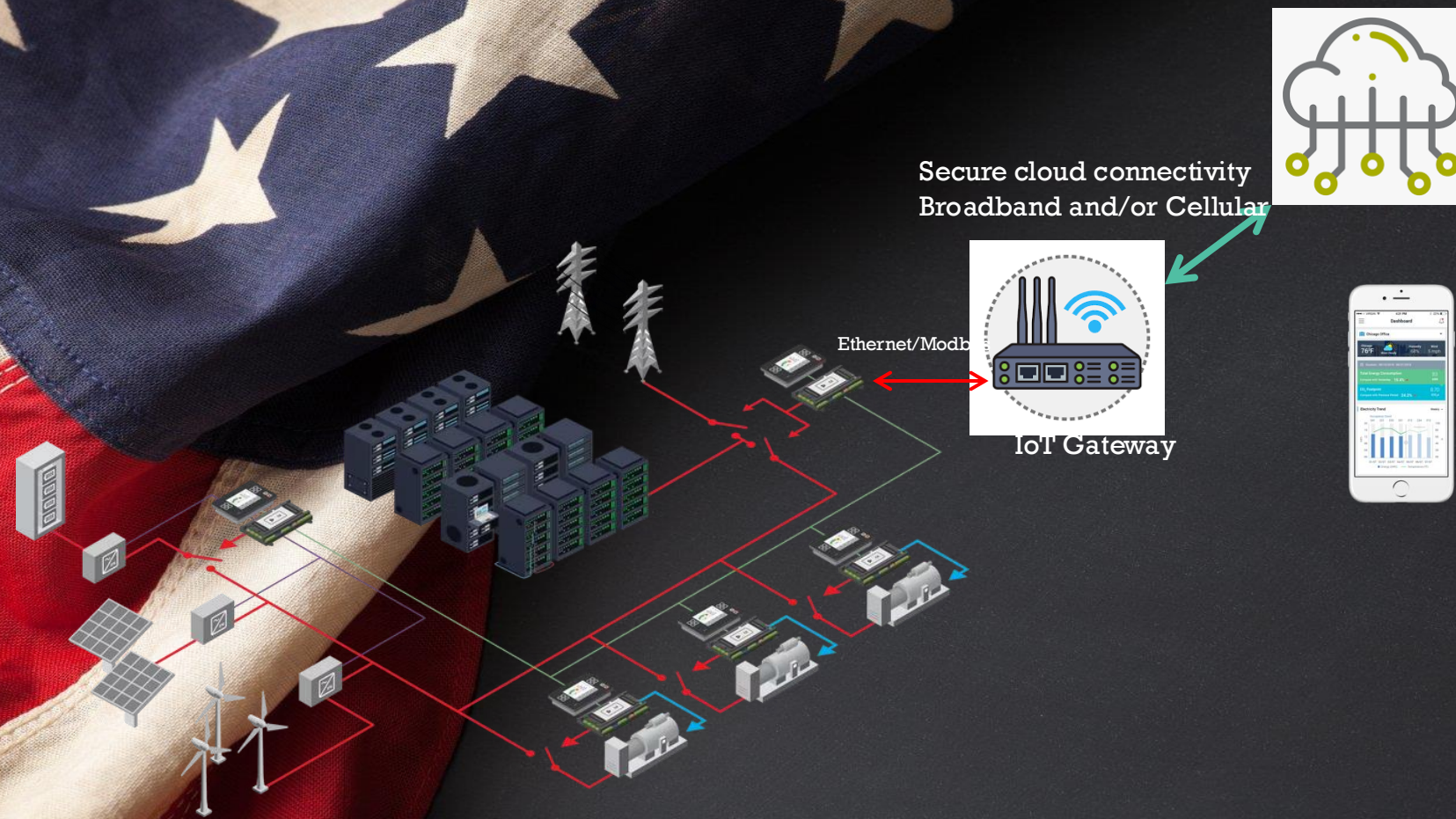
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EPS Integrated Hybrid Micro-Grid System



Hybrid Micro-Grid: IoT Cloud Connectivity



Engenuity Energy Analytics Platform

- Hosted on Govt. Cloud infrastructure
- Continuous Monitoring of all micro-grid installations
- Real-time alerts on web & mobile
- Mobile Troubleshooting guide
- Advanced Analytics Algorithms based on AI and Machine Learning
 - Predictive Maintenance
 - Energy Optimization
 - Carbon footprint reduction
 - Intelligent Smart Grid Interface (Buy/sell/Store)
 - Cost optimization
 - 24X7 Reliability and Resilience
 - Balancing comfort, cost, and carbon footprint while maximizing energy efficiency, reliability and resilience

*Advanced Analytics IoT capabilities



The Future

2024

- Introduction of the E100 and E200 Combined Heat and Power (CHP) Unit to the GSA Multiple Award Schedule (MAS) and existing Federal contracts.
- Delivery of 2nd Gen RIHGS Opposed Piston 4 Stroke Unit Prototype to the U.S. Army.

2025

- Delivery of the Optimized RIHGS 5kW-R prototypes to the U.S. Army and implement design and manufacture plans.
- Development of RIHGS 5kW-T for commercial/industrial and ready manufacturing plans
- EPS receives \$10M in funding for the Enginuity National Guard Energy Resiliency Initiative (ENGERI)
- Development begins on the ENGERI Microgrid Proof of Concept.
- Development Begins on the U.S. Army Ground Vehicle Support Center (GVSC) 30kW Vehicular Auxiliary Power Unit (APU).

2026

- RIHGS 5kW-T and RIHGS 5kW-R added to GSA and existing Federal contracts.
- E8kW micro-CHP introduced to the GSA MAS and marketed to Local, State, and Federal Installations.
- Development continues on the APU for the M1 Abrams Main Battle Tank.

2027

- Development begins on the U.S. 10kW to 30kW RIHGS Family of Generators.

2028

- ENGERI and 30kW APU prototypes delivered and deployment begins.
- 10kW to 30kW Family and M1 APU prototypes delivered.

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Summary

- The **Enginuity Applied Technology** division of Enginuity Power Systems brings innovative power generation technology to the Government space that is lighter, more efficient, and secure providing warfighters an unmatched advantage over our adversaries and providing power solutions to other Government and Non-Government organizations advancing their mission and vision to their customers
- Our commitment to innovation and efficiency extends to our business model, which is designed to be efficient, scalable, and resilient. By investing in both business and human capital, we ensure growth, higher returns, security, and stability.

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