

PREMERGY, INC.

Executive Summary

Advanced Battery Management Technology Platform
Automotive • AI Data Centers • Drone Systems • Grid Storage

Premergy is a control-layer technology platform for battery-powered systems. Premergy does not compete with battery manufacturers — it makes every battery system more efficient, more durable, and more valuable.

A Wholly Owned Subsidiary of Innovative Holdings Alliance, Inc. (OTC: IHAI)
Q3 2026

01 COMPANY OVERVIEW

Premergy, Inc. is a U.S. technology development company and a wholly owned subsidiary of Innovative Holdings Alliance, Inc. (OTC: IHAI). Premergy owns and commercializes a portfolio of **22 issued and pending patents** covering advanced battery power management, energy optimization, adaptive energy regeneration, and intelligent battery control systems.

The Company was founded to address two critical problems in the electric vehicle market — range anxiety and battery thermal stress — and has validated its technology through years of rigorous independent testing. Premergy’s strategy now encompasses a multi-market approach: continuing to pursue its established automotive opportunity while adding and prioritizing powerful new verticals — artificial intelligence data center power management, commercial/defense drone systems, and grid-scale energy storage — where the same patented technology delivers transformational performance improvements.

As battery systems scale from single packs to complex, multi-module energy networks, performance is no longer limited by chemistry — it is limited by control architecture. Premergy’s patented Battery Control System occupies this critical layer.

Parent Company	Innovative Holdings Alliance, Inc. (OTC: IHAI)
Headquarters	Port Jefferson, New York, USA
Technology Focus	Battery Power Management & Energy Optimization
Markets Served	Automotive EV • AI Data Centers • Drones/UAV • Grid Storage
Patents	22 Issued and Pending — Cross-Industry Coverage
Validation	Independent 3rd-party testing; Clemson University ICAR
Interim CEO	Michael Pruitt
COO	William Hayde — 30-Year Investment Banker & Fund Director
CTO / Inventor	Richard Botts — 27+ Years Engineering Experience
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02 CORE TECHNOLOGY

Premergy has developed and patented a proprietary multi-component battery management architecture that fundamentally improves how energy is stored, routed, and recovered across battery-powered systems. The technology consists of three integrated, patent-protected subsystems:

A. Multi-Chemistry Battery System

Premergy's foundational patent replaces a conventional single-battery-bank architecture with a dual-bank system using batteries of distinct chemistries — each optimized for a different function. One bank provides steady-state cruise power; the other delivers surge power on demand. The Battery Control System intelligently switches between banks based on real-time operating conditions, charge state, torque demand, and thermal stress levels. The system is chemistry-agnostic: it functions equally well with NMC, LFP, LTO, and other battery types, enabling rapid adaptation across all target markets.

B. Adaptive Energy Regeneration

Premergy's adaptive regeneration patents provide a proprietary method of capturing regenerative energy at speeds as low as 5 mph — significantly below the threshold at which conventional regenerative systems operate efficiently. The system detects deceleration and braking events and dynamically directs recovered charge to the optimal battery bank. In automotive applications this extends vehicle range. In drone applications it captures energy during descent and hover phases. In data center applications it recovers energy from power cycling events within UPS systems.

C. Battery Control System (BCS)

The BCS is the algorithmic intelligence of the Premergy platform. It coordinates all operations between the multi-chemistry banks and the regeneration system using three control tiers: a Supervisory Controller, a Drive Mode Controller, and a Switching Controller. The system's algorithms are highly adaptable and designed to be integrated into existing vehicle or system software with minimal rewriting. The architecture is also well-suited for the addition of an AI optimization overlay, enabling autonomous and continuously improving power management.

This architecture enables measurable improvements in efficiency, thermal performance, and system longevity — translating directly into reduced operating cost and increased system value across all applications.

Proven Result: Independent dynamometer testing at Clemson University's International Center for Automotive Research (ICAR), combined with 700+ miles of on-track validation at Atlanta Motorsports Park, confirmed a greater than 20% increase in energy efficiency or range, along with measurable reduction in battery thermal stress and extended battery useful life.

Technology Positioning: Premergy's patents are not vehicle-specific features — they are energy routing and optimization systems that apply wherever batteries operate under variable load conditions. As battery installations grow from single packs to arrays of thousands of

modules in grid storage and data centers, the control architecture becomes more valuable than the chemistry itself. That is precisely the market shift underway in 2026 — and precisely what Premergy has already patented.

03 MULTI-MARKET STRATEGY

Premergy's technology platform was built for the electric vehicle market and remains directly relevant to it. The Company's strategic evolution does not abandon the automotive opportunity — it expands the platform into additional markets where demand is more immediate, capital deployment is faster, and the regulatory environment is more favorable. The result is a four-vertical strategy in which each market reinforces the others through shared IP, shared algorithms, and expanding licensing value.

Vertical 1: Automotive Electric Vehicles (Established; Continued Pursuit)

The global EV market faces policy headwinds in the United States but continues to grow internationally, and the underlying consumer demand problems that Premergy addresses — range anxiety and battery thermal stress — remain unsolved. The Company's technology delivers a greater than 20% efficiency gain that is directly applicable to passenger EVs, commercial fleets, medium- and heavy-duty trucks, and specialty vehicles. Premergy will continue engaging OEMs, Tier-1 suppliers, and technology integrators in the automotive space through licensing agreements and joint development arrangements.

Where Premergy Wins in Automotive

A. Warranty Cost Reduction

Battery warranties of 8–10 years represent a massive OEM liability. Thermal stress accelerates degradation and drives warranty reserve drag. Premergy's system directly reduces battery degradation curves, lowering OEM warranty reserves and improving lifetime vehicle economics.

B. Software-Defined Vehicle Integration

OEMs are shifting toward software-defined vehicle platforms (SDVs). The BCS can be deployed as a software-dominant layer within next-generation vehicle architectures, aligning with OEM migration toward centralized compute and over-the-air optimization.

C. Fleet & Commercial Vehicles

Delivery fleets, trucks, and ride-share operations represent ROI-driven buyers. Commercial fleets represent a near-term adoption pathway, where measurable efficiency gains translate directly into operating margin improvement and faster payback periods.

D. Regulatory & Efficiency Credits

Europe, China, and the U.S. increasingly tie incentives to efficiency. Efficiency improvements may enhance compliance with emissions and efficiency standards, creating additional economic value through regulatory credit systems.

Vertical 2: AI Data Center Power Management (New Priority)

While originally developed for automotive applications, Premergy's most immediate and highest-value deployment opportunity is in AI data center power systems. At hyperscale, even marginal efficiency improvements translate into multi-million-dollar annual savings per facility.

As reported by The Wall Street Journal in March 2026, battery manufacturers are pivoting aggressively from the EV market toward grid-scale and data center energy storage. Energy storage is projected to represent 41% of total U.S. battery demand in 2026, up from 26% two years ago. AI training and inference workloads require massive, rapidly-scalable power with millisecond-scale load variability — precisely the conditions where Premergy's BCS and multi-chemistry management delivers its greatest advantage.

Three additional dynamics make the data center opportunity especially compelling. First, scale multiplies the value of efficiency gains: a 20% efficiency improvement in a single EV is a useful product feature; even a 3–5% improvement across a 100 MW battery installation generates millions of dollars in annual savings. Second, the multi-chemistry architecture is specifically suited to grid and data center configurations, where LFP batteries provide long-duration storage and high-power-density chemistries handle rapid discharge spikes. Third, the major battery manufacturers now pivoting to grid storage — LG Energy Solution, Samsung SDI, and Tesla Energy — are precisely the companies that need what Premergy's patents provide.

A. Peak Load Smoothing & Demand Charges

Premergy's control system enables dynamic peak load smoothing, reducing demand charges — one of the largest operating costs for hyperscale data centers.

B. UPS Optimization & Replacement

The platform can enhance or partially replace traditional UPS architectures by enabling distributed, intelligent battery response across the facility.

C. Power Availability = Revenue

Improved power stability and responsiveness directly increase compute uptime, translating into higher revenue per megawatt deployed.

D. Co-Location & Edge Data Centers

Edge and colocation facilities — where power constraints are most acute — represent an immediate deployment opportunity for Premergy's control architecture.

E. Pairing With Renewables

The system enhances the economic viability of pairing intermittent renewable generation with data center loads through intelligent storage and dispatch.

Vertical 3: Drone and UAV Systems (New Priority)

The U.S. commercial drone market was valued at \$4.79 billion in 2022 and is growing at a compound annual growth rate of 9.1% through 2030. Flight time and payload capacity are the defining performance constraints across every drone application — defense, delivery, agriculture, infrastructure inspection, and emergency response. Premergy's multi-chemistry battery system extends usable energy without increasing battery size, while adaptive regeneration captures energy during descent and hover phases. Preliminary analysis indicates potential flight time improvements of 15 to 25%.

A. Mission Time = Mission Success

In defense and surveillance applications, incremental flight time directly increases mission effectiveness and reduces the number of deployed units required.

B. Payload Tradeoff Economics

By improving energy efficiency, operators can reallocate weight from batteries to payload — increasing revenue-generating or mission-critical capacity.

C. Swarm & Autonomous Systems

The BCS architecture is well-suited for coordinated multi-drone (swarm) operations, where energy optimization across fleets becomes a system-level advantage.

D. Defense Procurement

The technology aligns with Department of Defense priorities around endurance, energy resilience, and autonomous systems.

Vertical 4: Grid-Scale Energy Storage (New Vertical)

Grid-scale battery storage represents one of the fastest-growing segments of the global energy market. Premergy's control architecture delivers measurable value at every level of grid storage deployment:

A. Arbitrage & Revenue Optimization

Intelligent charge/discharge timing improves energy arbitrage returns in grid-scale storage deployments.

B. Capacity Market Participation

Enhanced responsiveness enables participation in frequency regulation and ancillary service markets.

C. Battery Life Extension

Extending battery life in multi-megawatt installations represents millions in avoided replacement costs.

04 AI-DRIVEN ENERGY OPTIMIZATION

Premergy evolves from a control system into an autonomous energy optimization platform.

As Premergy's Battery Control System is deployed across diverse applications and environments, the platform generates an expanding dataset of performance, load, and efficiency information. This data enables the integration of an AI-driven optimization layer that enhances system performance beyond static algorithmic control:

- **Predictive Load Balancing:** Anticipating demand patterns and pre-positioning energy resources for optimal response.
- **Self-Learning Switching Algorithms:** Continuously refining switching timing and chemistry selection based on measured outcomes.
- **Fleet-Wide Optimization:** Coordinating energy management across multiple installations, vehicles, or facilities to maximize aggregate efficiency.

05 INTELLECTUAL PROPERTY PORTFOLIO

Premergy's 22 issued and pending patents — now owned by Innovative Holdings Alliance — represent the Company's primary strategic asset. The portfolio spans six technology domains and provides coverage across all market verticals simultaneously:

Technology Domain	Core Description	Market Applications
Battery Control System	Intelligent switching, timing, and management of plural battery banks based on real-time operational conditions	Auto • Data Centers • Drones • Power Gen
Multi-Chemistry Battery System	Plural batteries with distinct chemistries, each optimized for a specific function; controlled by the BCS for peak efficiency	Auto • Aerospace • Grid Storage • Drones
Adaptive Energy Regeneration	Advanced regenerative capture effective at speeds as low as 5 mph; dynamically directs charge to optimal battery bank	Auto • Drones • Energy Storage
Solar Panel Systems	Intelligent circuit control for solar panel energy distribution and charging optimization	Renewable Energy • Grid Storage
Mobile Device Batteries	Smart dual-battery charging and switching for faster, more efficient mobile device power management	Consumer Electronics • IoT • Mobile
Homopolar Generators	Converting rotational kinetic energy to electrical energy through magnetic flux field for battery charging	Auto • Power Gen • Industrial

06 PATENT ENFORCEMENT — A SIGNIFICANT VALUE CATALYST

Patent Infringement Actions Underway

Premergy has identified that several major power technology and automotive technology companies have infringed upon patents within its portfolio. The Company has retained experienced patent litigation attorneys who are pursuing these infringements through formal legal channels. The infringing companies are major industry participants — well-capitalized organizations with significant commercial incentives to resolve IP disputes through licensing or settlement rather than protracted litigation.

Premergy has identified that infringement spans dual-battery architectures, regenerative energy routing systems, and intelligent switching mechanisms currently deployed in commercial EV and energy storage products. Industries where infringement is occurring include electric vehicles, energy storage systems, and drone platforms.

This enforcement initiative represents a substantial and largely unpriced asset in the Company's current valuation. Key considerations include:

- **Monetary Awards:** Patent infringement verdicts in the United States have in recent years resulted in awards ranging from tens of millions to hundreds of millions of dollars, particularly in technology sectors where the infringing IP is fundamental to product performance.
- **Settlement Value:** Well-capitalized defendants typically prefer to resolve disputes out of court to avoid reputational risk and trial uncertainty, often resulting in substantial lump-sum payments independent of ongoing licensing.
- **Recurring Royalties:** Even if only a subset of identified infringements result in successful actions, the licensing royalty streams generated could equal or exceed near-term operating revenues from commercial licensing alone.
- **Market Validation:** A licensing agreement with a major OEM or technology company simultaneously generates revenue and provides powerful market validation of Premergy's technology — benefiting all commercial verticals.
- **Independent of Commercial Strategy:** The enforcement effort is fully complementary to — and independent of — Premergy's commercial licensing and joint venture strategy. Both tracks run in parallel. Outcomes are expected on a 12- to 36-month horizon.

07 BUSINESS MODEL

Multi-Channel Licensing & Recurring Revenue Architecture

Premergy's revenue model is designed to align directly with the economic value created by its technology across multiple industries. Rather than relying on a single monetization pathway, the Company deploys a layered licensing strategy that scales with customer adoption, system size, and performance impact. As deployments expand from individual systems to infrastructure-scale installations, the Company's revenue potential increases exponentially.

1. Per-Unit Licensing (Automotive & Drone OEMs)

For vehicle and UAV manufacturers, Premergy licenses its patented architecture on a per-unit basis, embedded directly into production systems.

- **Structure:** Fixed royalty per vehicle or drone system
- **Typical Range (conceptual):** \$50 – \$500+ per unit depending on application scale and performance impact
- **Value Alignment:** Increased range/flight time, reduced battery degradation and warranty exposure, improved system performance without increasing battery size

2. Per-kWh Managed Licensing (Data Centers & Grid Storage)

For large-scale energy systems, Premergy's value scales with system size, making capacity-based pricing the most effective structure.

- **Structure:** Licensing fee based on total battery capacity under management
- **Typical Range (conceptual):** \$5 – \$25 per kWh deployed (one-time and/or recurring)
- **Use Cases:** AI data center battery systems, grid-scale storage installations, renewable energy buffering systems
- **Value Alignment:** Even small efficiency gains (3–5%) generate millions in annual savings at scale; reduced energy waste; extended asset life across multi-megawatt installations

3. SaaS / Control Layer Licensing (Data Centers & Advanced Systems)

As energy systems become software-defined, Premergy's Battery Control System evolves into a recurring software platform.

- **Structure:** Subscription-based licensing tied to system performance and optimization
- **Pricing Models:** Monthly/annual subscription per site or per MW; performance-based pricing linked to efficiency gains or cost savings
- **Capabilities:** Real-time energy optimization, predictive load balancing, adaptive switching across battery chemistries, AI-driven performance improvement over time

4. Joint Development & Strategic Partnerships

Premergy selectively enters joint development or JV agreements with strategic partners that provide distribution, manufacturing, or integration capabilities. Revenue structures may include shared licensing revenue, milestone-based payments, and equity participation in joint ventures.

5. Patent Enforcement & Strategic Licensing

Premergy has identified active deployment of overlapping battery control and multi-chemistry architectures across commercial EV, energy storage, and UAV platforms. In parallel with commercial licensing, Premergy pursues enforcement actions against identified infringers. Potential outcomes include lump-sum settlements, retroactive licensing payments, and ongoing royalty streams.

Premergy's revenue model scales with system size, usage, and performance impact — aligning directly with the economic value created for its partners.

08 EXECUTION ROADMAP

Go-To-Market Strategy | 12–18 Month Plan

Premergy's commercialization strategy is focused on rapid validation, targeted partnerships, and scalable licensing deployment across its primary verticals. The Company is prioritizing near-term opportunities where adoption cycles are shortest and economic value is most immediately measurable.

Phase 1: Validation & Partner Engagement (0–6 Months)

Objectives: Convert technical validation into commercial credibility; identify and engage high-probability early adopters; establish pilot frameworks across key verticals.

Target Partners: Automotive — OEM innovation groups, Tier-1 suppliers (battery systems, drivetrains), commercial fleet operators. AI Data Centers — hyperscale operators, colocation providers, energy infrastructure developers. Drone/UAV — defense contractors, commercial drone manufacturers, fleet operators (inspection, delivery, agriculture).

Key Activities: Technical presentations and integration workshops; delivery of simulation models and performance data; identification of integration pathways (hardware vs. software layer); structuring of pilot agreements.

Milestones: Secure 2–3 pilot program agreements across at least two verticals; initiate first data center or energy storage proof-of-concept; advance active licensing discussions with strategic counterparties.

Phase 2: Pilot Programs & Commercial Structuring (6–12 Months)

Objectives: Demonstrate measurable performance improvements in real-world environments; convert pilot programs into commercial licensing agreements; finalize pricing frameworks and integration models.

Pilot Design: Each pilot is structured to clearly demonstrate ROI — Automotive: range extension, thermal performance, battery life impact. Data Centers: load smoothing, efficiency gains, demand charge reduction. Drones: flight time extension, payload optimization, energy recovery.

Milestones: Completion of initial pilot programs with documented performance gains; execution of first commercial licensing agreement; establishment of repeatable integration model.

Phase 3: Commercial Scaling (12–18 Months)

Objectives: Transition from pilot-stage validation to scaled deployment; expand licensing footprint across multiple partners and geographies; introduce recurring software-based revenue streams.

Key Activities: Expansion of licensing agreements into multi-unit or multi-site deployments; deployment of SaaS-based optimization layer (data centers); strategic partnerships with battery manufacturers and integrators; broader market outreach leveraging early validation results.

Milestones: Multiple active licensing agreements across verticals; first recurring SaaS revenue contracts; expansion into grid storage and energy infrastructure projects; establishment of Premergy as a recognized control-layer solution provider.

Premergy's go-to-market strategy is designed to minimize capital requirements while accelerating adoption through targeted partnerships and measurable performance validation. The Company's near-term objective is strategic insertion into high-value systems where performance improvements are immediately quantifiable and economically compelling — creating a foundation for rapid expansion across each vertical.

09 COMPETITIVE ADVANTAGE

- **Broad Patent Moat:** Premergy's patent portfolio covers the core methods, systems, and applications of multi-chemistry battery management across six technology domains, with PCT filings and continuations extending protection internationally and to future product iterations.
- **Chemistry Agnostic:** The BCS algorithms operate across NMC, LFP, LTO, and other battery types — enabling deployment across automotive, drone, and data center markets without redesign, and regardless of which battery chemistry the market adopts.
- **Third-Party Validated:** Independent validation at Clemson University's ICAR (100+ dynamometer hours) and real-world testing exceeding 700 miles provides third-party credibility rare at this stage of company development. The thermal management system has never needed to activate in testing.
- **Asset-Light Scalability:** A licensing-first, JV-preferred model scales without factory investment. Patent enforcement adds a non-dilutive revenue pathway. Multiple simultaneous market verticals reduce concentration risk and expand total addressable revenue.
- **Multi-Market Leverage:** The multi-market strategy means a single IP portfolio generates licensing value across automotive, data center, drone, and grid storage sectors concurrently — a multiplier effect that single-market competitors cannot replicate.
- **Control Architecture as the New Moat:** Battery manufacturers compete primarily on chemistry — but as installations scale from single vehicles to arrays of thousands of modules, the control architecture becomes the limiting factor and the primary source of efficiency gains. Premergy's BCS occupies exactly this emerging layer. Chemistry companies cannot easily acquire or replicate what Premergy has already patented.

10 INVESTMENT THESIS

Control Architecture as the New Moat

Premergy represents a convergence of technology validation, market timing, and enforceable intellectual property.

Why Now

- AI data center energy demand is exploding
- Battery systems are scaling rapidly across all verticals
- Software-defined architectures are emerging as the industry standard
- Energy efficiency is becoming economically critical at every scale

Premergy represents a rare convergence of four independent value drivers:

1. A proven, patent-protected technology platform applicable across four high-growth markets simultaneously: automotive EV, AI data center power management, commercial and defense drones, and grid-scale energy storage.
2. A structural industry inflection point: Ford, LG Energy Solution, Samsung SDI, and Tesla Energy are converting EV factories to grid and data center storage — and in doing so, are becoming exactly the customers who need Premergy's control and optimization patents. Battery performance in large-scale installations is no longer limited by chemistry — it is limited by how intelligently energy is managed. That is Premergy's core competency.
3. An active patent enforcement program targeting major industry participants, with the potential for substantial non-dilutive awards, settlements, and licensing revenues — on an independent 12–36 month timeline.
4. A publicly traded parent company (IHAI, OTC Markets) providing transparency, governance, reporting infrastructure, and a path to liquidity for investors — while remaining in early-stage, high-upside territory.

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This document contains forward-looking statements. All such statements are based on current expectations and assumptions and involve risks and uncertainties. Actual results may differ materially from those described herein.