

Graphion Energy Solutions Launches EWave electric motorcycles that can charge from EV charging station in 30 Minutes

With 30-minute charging, real-time telematics, and lower infrastructure dependence can reduce fleet deployment costs in urban mobility and delivery markets.

LAS VEGAS, NV, UNITED STATES, June 8, 2026 /EINPresswire.com/ -- Graphion Energy Solutions today announced the launch of [EWave](#), an electric two-wheel fleet platform designed specifically for Southeast Asia's high-utilization urban delivery and mobility markets. The company says EWave combines 30-minute Level 2 EV charging, real-time GPS telematics, and a sub \$1,800 vehicle price point into a production-ready platform built to reduce infrastructure burdens and improve fleet economics.



charging from standard EV charging station

Graphion's founder was an early pioneer in battery swapping and the original holder of the key U.S. patent behind the swapping system used in products like the T3 by T3motion. Drawing on that experience, the company believes the next wave of fleet electrification in Southeast Asia will be driven not by more battery-swap infrastructure, but by simpler operating models that lower costs, reduce capital intensity, and cut operational friction.

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With EWave, we're giving fleet operators a practical platform that combines 30-minute charging, real-time visibility, and a lower infrastructure burden”

Ki Y. Nam

“Southeast Asia is home to a 250-million-unit gasoline motorcycle market, making it one of the world's most

important two-wheel EV markets,” said Ki Nam, founder of Graphion Energy Solutions. “But fleet operators and daily commuters here don't need more infrastructure complexity. They need a

platform that's affordable to deploy, fast to charge, easy to monitor, and simple to scale. EWave was built for exactly that environment."

According to Graphion, major fleet operators across the region face a practical challenge: how to electrify dense, multi-shift, high-utilization operations without adding cost, downtime, or rollout complexity. In markets like Southeast Asia, fleets must juggle route efficiency, vehicle uptime, rider turnover, and expansion across fragmented urban real estate.

While battery swapping offers convenience in certain use cases,

Graphion notes it also introduces added operational layers—station deployment, spare battery inventory, battery handling, site maintenance, and physical infrastructure rollouts market by market. The company argues that once vehicles can reliably charge in 30 minutes, fleets can increasingly tap into existing or low-cost charging during natural downtime: shift changes, lunch breaks, warehouse staging, or dispatch idle periods.

Graphion says EWave is designed to deliver:

- 30-minute charging from standard EV charger or home
- Real-time GPS tracking with remote immobilization
- A sub-\$1,800 target vehicle price
- Simplified design for easy maintenance
- Lower infrastructure dependency for city expansion

This approach, the company says, is especially relevant for platform fleets serving delivery and mobility networks, where lower upfront investment and reduced operational complexity can accelerate deployment.

Graphion acknowledged that battery swapping has helped advance EV adoption in several markets, but noted the model can be infrastructure-heavy and economically challenging to scale across diverse urban environments. The company believes Southeast Asia is now ready for a lighter-weight model centered on fast charging, telematics, and lower-cost vehicle deployment.

"In our view, the industry is shifting from battery management as infrastructure to charging as workflow," said Nam. "If a rider can plug in during a lunch or rest break and be back on the road



standard EV charging connector

in 30 minutes, that changes the economics. You eliminate detours, reduce spare asset requirements, and simplify scaling.”

In a representative multi-shift commercial fleet scenario, Graphion estimates that a battery-swapping deployment can require more than double the initial investment of an EWave deployment. Over five years, the company projects EWave can reduce total cost of ownership by approximately 60–75%, depending on operating assumptions and local infrastructure conditions.

The company says EWave was engineered to overcome the thermal and battery lifecycle constraints that have historically limited [rapid charging](#) in commercial fleet applications. According to Graphion, the platform integrates high-efficiency onboard charging, optimized battery management, stable cell chemistry, and safe 30-minute charging with minimal degradation over thousands of cycles.

For major regional fleet operators, Graphion says the strategic question is no longer whether electrification will happen, but which operating model best supports profitable, large-scale rollout.

“Battery swapping played an important role in the market’s evolution,” Nam added. “But for Southeast Asia’s next generation of fleet electrification, we believe the winning platform will be the one that removes infrastructure burden from the equation. That’s exactly what EWave is built to do.”

About Graphion Energy Solutions:

Graphion Energy Solutions Inc. is building a practical electric mobility platform for ASEAN and other emerging markets, combining electric motorcycles, flexible fast-charging infrastructure, solar-powered stations, smart fleet tools, and retrofit capability into one scalable ecosystem. Unlike capital-intensive battery-swapping models, Graphion’s solution features 10-minute and 30-minute fast charging, compatibility with standard Level 2 chargers, solar-powered stations for energy independence, GPS tracking with remote immobilization, and retrofit conversions for existing gas motorcycles. With a fleet-first design built for price-sensitive and infrastructure-variable markets, Graphion generates revenue through vehicle sales, charging deployment, solar systems, retrofits, and maintenance services. Operating across Lao PDR and launching in Cambodia and the Philippines, Graphion is positioned to win where EV adoption depends not on hype, but on economics, flexibility, and real-world deployment.

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