PlanetWEST Unveils a new Revolutionary Mobile Tech to Confront Global Warming and Toxic Air Pollution

A hyper-efficient, scalable solution for urban air purification and carbon management

Los Angeles, California Jun 17, 2026 (Issuewire.com) - Climate tech pioneer PlanetWEST today announced the launch of its groundbreaking MIDAC G2HE (Mobile Intelligent Direct Air Capture) system, a vehicle-integrated technology engineered to combat the dangerous surge of airborne fine particulate matter () accelerated by global warming.

As rising temperatures trigger a devastating "climate penalty"—intensifying wildfires, prolonged droughts, and atmospheric stagnation—the air we breathe is rapidly deteriorating. The MIDAC G2HE offers a vital defense, shifting the focus of carbon capture from remote, stationary gas facilities to a

mobile, distributed urban grid that scrubs solid toxins directly out of the street-level "toxic soup."

Defending Against the Climate Penalty: The Three Fronts

Traditional climate conversations often isolate rising temperatures from public health. However, global warming actively worsens air quality. The MIDAC G2HE system is purpose-built to neutralize the three primary ways climate change accelerates pollution:

- 1. Neutralizing the "Wildfire Feedback Loop": Global warming has extended wildfire seasons and increased their intensity, blanketing cities in toxic Black Carbon and fine ash. The MIDAC G2HE specifically targets Black Carbon, capturing it from the air as vehicles drive through smoke-tainted regions or downwind municipalities. This removes the highly reflective "soot" that would otherwise settle and further accelerate local warming.
- 2. Piercing Atmospheric Stagnation: Warming temperatures weaken the thermal gradients that drive wind, creating "stagnation events" where industrial and automotive pollution gets trapped at ground level. While traditional stationary filters rely on wind to bring pollution to them, the mobile MIDAC G2HE system turns the vehicle itself into the pump. A moving delivery van or transit bus actively vacuums trapped microparticles right where people breathe.
- 3. Substituting for Reduced "Wet Deposition": Prolonged climate-induced droughts mean less rain—the atmosphere’s natural mechanism for washing out . Without rain, hazardous particles remain suspended for weeks. MIDAC G2HE acts as a synthetic rain substitute, mechanically removing particles from the breathing zone to dramatically lower their atmospheric residence time.

Why This Matters Right Now: Recent data from 2025 and 2026 reveals a cruel irony: as global industries successfully reduce cooling aerosol emissions (like sulfates) to clean the skies, they inadvertently unmask more latent warming. This makes capturing "warming" particles like Black Carbon the ultimate priority. MIDAC achieves a rare dual-victory: it purifies the air we breathe while simultaneously slowing the rate of warming.

How MIDAC G2HE Works: Engineering a Cleaner Future

The MIDAC G2HE redefines ambient air purification by focusing on microscopic, solid, carbon-based particulates rather than just greenhouse gases.

[Moving Vehicle] → [Passive Air Intake via Radiator] → [MIDAC G2 Processing (90% Efficiency)] → [Clean Air Released]

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[Onboard Storage Tank → Carbon Hub]

- High-Efficiency Particle Processing: The system boasts a projected 90% capture efficiency for targeted microparticles. It aggressively filters out lung-penetrating , atmospheric microplastics, and Black Carbon—a component of soot with a warming potential up to 1,500 times greater than by mass.
- Zero-Fan Vehicle Integration: The modular MIDAC G2HE units are designed to bolt directly onto the cooling radiators of existing fleets, from transit buses and delivery trucks to passenger cars. As the vehicle moves, it creates a natural, passive airflow through the system. This eliminates the massive energy costs and carbon footprint associated with the high-powered fans used in

traditional clean air systems.

- AI-Driven Hotspot Targeting: Operating via an advanced AI platform, MIDAC G2HE leverages real-time satellite data and ground-level sensors to map urban pollution hotspots. The AI can intelligently route specially equipped commercial fleets into areas with the highest microparticle density, maximizing purification efficiency where it is desperately needed.
- The Carbon Hub Infrastructure: Captured solids are safely retained in small onboard storage tanks. Utilizing existing commercial logistics, drivers can seamlessly "pump out" the captured soot and microplastics at participating gas stations during routine refueling. These materials are consolidated at Carbon Recycling Hubs (gas stations) and transformed into managed solid materials for industrial use (such as concrete and asphalt additives), permanently trapping the waste.

A New Paradigm: the PlanetWEST MIDAC G2HE

By shifting the focus to microparticles, PlanetWEST tackles a direct public health crisis. Current estimates indicate that -induced mortality is roughly 15 times higher than deaths caused by ozone pollution.

"We cannot talk about climate change without talking about the air entering our lungs right now," said a PlanetWEST spokesperson. "MIDAC G2HE democratizes carbon capture, turning everyday urban transit into an active environmental defense force. We are cleaning the air for immediate public health while stripping the atmosphere of the potent black carbon particles accelerating the climate crisis. It is a faster, radically cheaper, and human-centric approach to cleaning the sky."

About PlanetWEST

PlanetWEST is an innovative environmental technology company dedicated to developing hyper-efficient, scalable solutions for air purification and carbon management. By leveraging mobile infrastructure, advanced material science, and artificial intelligence, PlanetWEST deploys technologies that protect human health and planet stability simultaneously.

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