PLANETWEST UNVEILS ADVANCED CARBON FIGHTING TECHNOLOGY MIDAC G2, TARGETING GLOBAL MEGACITIES TO ACCELERATE CLIMATE ACTION

Thursday 29 January, 2026

LOS ANGELES. PlanetWEST, a pioneering environmental technology firm, today announced the launch of its innovative carbon capture system, MIDAC G2 (Mobile Intelligent Direct Air Capture – Pat.Pend.). Engineered specifically to address the disproportionate contribution of megacities to global warming, MIDAC G2 is a revolutionary solution focused on cleaning the world's most polluted urban centers and accelerating climate benefits.

Megacities—massive population and economic hubs like Shanghai, New York City, and Tokyo—are the world's highest carbon-emitting areas, responsible for an estimated 70% of global greenhouse gas (GHG) emissions. Crucially, just 25 megacities account for 52% of the world's GHG. Rapid urbanization in these dense environments has resulted in dangerously high concentrations of harmful particulate matter, including Black Carbon.

"The air quality crisis in many of our global cities demands innovative and scalable solutions," said a spokesman of PlanetWEST. "Megacities present unique challenges for traditional climate mitigation, such as limited footprint for renewable energy. MIDAC G2 is designed to be cost-efficient and operate throughout all parts of the city, empowering local governments to take immediate, effective control of their air quality and climate footprint."

MIDAC G2: A New Strategy for Climate Mitigation

MIDAC G2 (pat.pend.) revolutionary system for localized air purification, uniquely engineered to integrate with existing vehicular radiator systems. It actively draws in ambient air, absorbing microscopic and larger solid particles, including hazardous Black Carbon. These particulates are processed and then safely stored for efficient offloading and responsible disposal or recycling.

The system's most radical feature is its strategic focus: MIDAC G2 targets solid carbon-based particulate matter, primarily Black Carbon (BC), rather than just gaseous emissions. This targeted shift offers critical advantages:

- A More Potent Target: Black Carbon is a key component of particulate matter with an immediate warming effect up to 1,500 times greater than by mass. Capturing it delivers a much faster and more powerful climate benefit.
- Concentrated Emissions: Particulate matter is highly concentrated in urban pollution hotspots, offering more targeted and energy-efficient opportunities for capture and mitigation than uniformly dispersed gasses.
- Localized Impact: By directly capturing pollutants, MIDAC G2 aims to create cleaner and cooler micro-environments, contributing to better public health outcomes and supporting urban climate resilience.

PlanetWEST's strategic launch empowers nations to take control of their air quality and climate action, with the added benefit that MIDAC G2 systems are designed for in-country manufacturing, fostering local expertise and economic growth within the deployment regions.

About PlanetWEST

PlanetWEST is a leading environmental technology company dedicated to developing cutting-edge, scalable solutions for global environmental challenges. Focused on rapid climate action and air quality improvement, the company is committed to transforming how the world's largest cities tackle pollution and global warming.

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Business & Finance ::

Related Keywords:

Megacities :: Carbon Capture :: Climate Warming ::

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