Matrix Wildfire and CitroTech Announce the SENTINEL Rail System: Rail MOW Wildfire Pre-Mitigation, Active Suppression

Partnership leverages Massive Area Fire Denial technology and eco-safe chemistry to de-risk rail corridors, rights-of-way, and adjacent communities.



Matrix Wildfire Massive Area Fire Denial

BOULDER, CO, UNITED STATES, September 8, 2026 /EINPresswire.com/ -- DENVER, CO / GREENWOOD VILLAGE, CO (September 8, 2026) — Matrix Wildfire ("Matrix") and CitroTech (NYSE AM: CITR) today announced the launch of the SENTINEL™ Rail System, a next-generation, multi-use railway wildfire defense platform engineered to transform how rail operators mitigate risk, respond during Red Flag conditions, and suppress active fires along critical transit routes.

> Powered by Matrix Wildfire's Massive Area Fire Denial (MAFD) the SENTINEL™ Rail System delivers an infrastructure-scale operational capability across all phases of wildfire risk."
>
> *Patric Douglas, CEO of Matrix Wildfire.*

Powered by Matrix Wildfire's Massive Area Fire Denial (MAFD) technology and CitroTech's proprietary, food-based retardant chemistry, the SENTINEL™ Rail System delivers an infrastructure-scale operational capability across all phases of wildfire risk. The platform enables freight, passenger, and industrial rail carriers to establish persistent non-toxic firebreak barriers along rights-of-way months ahead of fire season, rapidly deploy during high-risk Red Flag weather events, and execute immediate trackside suppression during active blazes.

The MOW rail-mounted system applies data-modeled, high-volume firebreak buffers across tracks, wooden bridges, and bordering wildland fuels. CitroTech's non-toxic, eco-safe formulations render brush and cellulosic materials non-flammable for extended periods of time following application without introducing hazardous

runoff into local watersheds, protected fisheries, or surrounding ecosystems.

Key Operational Capabilities:

Triple-Tier Operation (Pre-Mitigation, Red Flag, & Active Suppression): Delivers seasonal baseline fuel hardening, rapid-response trackside barrier laying during extreme Red Flag warnings, and direct high-volume fire suppression when blazes approach active rail lines.

Massive Area Fire Denial (MAFD) Platform: High-capacity, rail-mounted hardware rapidly saturates wide right-of-way corridors, embankments, and adjacent brush at speeds and volumes unattainable by manual crews.

Eco-Safe, Persistent Protection: CitroTech's food-grade, non-toxic chemistry adheres to vegetation to halt flame spread for months while remaining safe for surrounding soils and water systems.

Verifiable Underwriting Telemetry: Real-time GPS mapping and IoT coverage telemetry stream directly into risk management platforms and insurance data lakes, offering auditable proof of corridor risk reduction across remote track mileage.

"Utilities and rail networks across the United States, Canada, and Europe are facing unprecedented, escalating wildfire threats that legacy response tactics simply cannot handle," said Patric Douglas, CEO of Matrix Wildfire. "Our team is building next-generation technologies that move beyond reaction to systematically de-risk critical infrastructure—hardening thousands of miles of railway tracks, transmission lines, and vulnerable communities before ignition occurs."

"Protecting critical transit infrastructure shouldn't require compromising the environment," said Wes Bolsen, CEO of CitroTech. "Our non-toxic, eco-safe formulations integrate seamlessly with the SENTINEL™ Rail platform, allowing operators to systematically and proactively reduce wildfire risk along track networks while minimizing harm to the watersheds and communities they pass through."

About CitroTech

CitroTech is a specialty materials and chemistry leader developing innovative, non-toxic, and environmentally safe fire prevention solutions for utilities, critical infrastructure, and communities. Engineered from food-grade ingredients, CitroTech's formulations deliver long-lasting ignition resistance while preserving environmental and watershed health. To learn more, visit www.citrotech.com.

About Matrix Wildfire

Matrix Wildfire is a FireTech infrastructure company engineering proactive Wildland-Urban Interface (WUI), railway, and energy grid defense systems. Utilizing specialized industrial delivery platforms—including the GUARDIAN and SENTINEL™ Rail systems—and integrated spatial telemetry, Matrix transforms wildfire defense into a scalable seasonal utility model. To learn more, visit www.matrixwildfire.com.

Media Contacts:

Matrix Wildfire Media Relations:

Email: Christina@matrixwildfire.com
Website: www.matrixwildfire.com

CitroTech Media & Investor Contact:
CitroTech Inc.
Annabelle Barbara
Antenna Group
CitroTech@antennagroup.com
(201) 916-0313

Investor Relations Contact:
Brett Maas, Managing Principal
Hayden IR, LLC
CITR@haydenir.com
(480) 861-2425

Christina Hope
Matrix Wildfire
+1 4155625238
email us here
Visit us on social media:
LinkedIn

This press release can be viewed online at: https://www.einpresswire.com/article/939805966

EIN Presswire's priority is source transparency. We do not allow opaque clients, and our editors try to be careful about weeding out false and misleading content. As a user, if you see something we have missed, please do bring it to our attention. Your help is welcome. EIN Presswire, Everyone's Internet News Presswire™, tries to define some of the boundaries that are reasonable in today's world. Please see our Editorial Guidelines for more information.
© 1995-2026 Newsmatics Inc. All Right Reserved.