

Matrix Wildfire and Firetrol Protection Systems, Inc. Announce Exclusive Supplier Agreement For Wildfire Railway System

Partnership pairs Firetrol's world-leading technology with Matrix's SENTINEL rail hardware to de-risk rail corridors from catastrophic wildfire.

BOULDER, CO, UNITED STATES, August 26, 2026 /EINPresswire.com/ -- [Matrix Wildfire](#) and Firetrol Protection Systems, Inc. today announced an exclusive technical supplier agreement to power the rollout of the [SENTINEL Railway](#) System—a breakthrough proactive maintenance of way (MOW)

wildfire defense platform engineered to safeguard railway rights-of-way, high value rail assets, and adjacent communities across the United States and Canada.



Matrix Wildfire Sentinel Rail System

The strategic alliance combines Matrix's high-capacity rail infrastructure hardware and spatial intelligence with Firetrol's industry-leading systems and suppression technologies. Operating as a purpose-built, rail-mounted and corridor-defense platform, the SENTINEL system establishes continuous, Massive Area Fire Denial (MAFD) high-volume firebreak buffers along rail rights-of-way, stopping ignitions from track work, wheel sparks, or adjacent wildland fires long before flames reach critical assets.

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Solving wildfire risk for rail operators requires marrying unmatched engineering hardware with chemistry and technology that actually performs under the most brutal conditions.”

Patric Douglas, CEO of Matrix Wildfire

By shifting rail corridor management from emergency reaction to seasonal, infrastructure-scale pre-treatment, Matrix SENTINEL allows transit authorities, freight

operators, and industrial carriers to systematically de-risk thousands of miles of high exposure track networks.

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: Applied non-toxic retardant formulations adhere to vegetation and surrounding brush to halt flame spread for months while remaining safe for local soils, watersheds, and ecosystems.

Transforming Rail Wildfire Defense:

All-Weather, Ground-Based Operations: Unlike aerial tankers that are grounded by darkness, dense smoke inversions, or high winds, Matrix SENTINEL operates directly along the track network day or night, ensuring uninterrupted pre-treatment ahead of high-risk fire weather events.

Spatial AI & Verification Telemetry: Deployments are coupled with predictive spatial intelligence and IoT telemetry, giving rail risk managers and insurance underwriters verified, risk reduction data across thousands of miles of remote track.

"Railways and utility corridors are the backbone of modern commerce, but they run directly through the most vulnerable, fire-prone interfaces in the world," said Matt Gallup of Firetrol. "Firetrol is excited to be part of delivering innovative, next-generation solutions for railways and utilities alongside Matrix Wildfire. Deploying our specialized systems through the SENTINEL platform allows us to protect critical track infrastructure at a scale and speed never before possible."

"Solving wildfire risk for rail operators requires marrying unmatched engineering hardware with chemistry and technology that actually performs under the most brutal conditions," said Patric Douglas, CEO of Matrix Wildfire. "The technology from Firetrol is quite simply the best in the world, with fire mitigation capabilities that far exceed anything on the market today. By securing Firetrol as the exclusive technical supplier for our SENTINEL platform, we are giving rail networks across the U.S. and Canada, a turnkey capability to eliminate corridor fire risks and protect the communities they pass through."

The joint platform will be available to priority freight and passenger rail corridors in the Western United States and Canadian rail networks facing severe seasonal wildfire threats and escalating insurance liabilities.

About Firetrol Protection Systems, Inc.

Firetrol Protection Systems, Inc. is a recognized leader in fire protection, life safety systems, and specialized industrial fire defense solutions. Trusted nationwide by industrial, commercial, and utility partners, Firetrol delivers proven engineering and suppression systems that stop fire spread and protect critical infrastructure. To learn more, visit www.firetrol.net.

About Matrix Wildfire

Matrix Wildfire is a FireTech infrastructure leader engineering proactive Wildland-Urban Interface (WUI), railway, and utility defense systems. By combining predictive spatial AI, heavy-duty industrial application hardware like the SENTINEL Railway System, and verified risk attestation, Matrix transitions wildfire mitigation into a scalable seasonal infrastructure service. To learn more, visit www.Matrixwildfire.com

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