

# The Data Platform Driving Transformation Forward

## Everpure for public sector: Transportation

Transportation entities are navigating a “perfect storm.” As digital expectations rise, leaders must navigate four critical challenges that threaten mission continuity:

- **The data explosion:** Multimodal data from closed-circuit television (CCTV), internet of things (IoT), geographic information system (GIS), and light detection and ranging (LiDAR) feeds is growing faster than legacy systems can store, manage, or analyze.
- **Analytics and AI constraints:** Fragmented, siloed architectures limit the ability to run real-time analytics, slowing down critical operational decision-making.
- **Cost pressure:** Public cloud is becoming cost-prohibitive for high-velocity analytics and long-term video retention due to egress and replication fees.
- **Aging infrastructure:** Chronic underfunding has left transportation agencies trapped in “rip-and-replace” cycles, with legacy hardware that struggles to meet 24x7 uptime requirements.

Everpure™ addresses these challenges by replacing rigid, fragmented infrastructure with an ever-evolving storage and data platform built to act as a living system. We ensure your data is secure, accessible, and ready to power the real-time AI intelligence required to keep your community and your mission in constant motion. Whether you are optimizing traffic management through predictive maintenance, scaling video intelligence with AI-ready ingest, or ensuring public safety with always-on 911/computer-aided dispatch (CAD) architecture, Everpure provides the foundation for modern mobility.



### A proven leader

Everpure™ (formerly Pure Storage®) is a Leader in the 2025 Gartner® Magic Quadrant™ for Primary Storage Platforms, positioned highest in Execution and furthest in Vision.<sup>1</sup>



### Absolute immutability and reliability

Stay up and running with 99.9999% reliability and 0% data loss.



### Slash deployment and operations costs

Maximize budget and minimize manual processes with 70% lower deployment costs and 77% lower operation costs compared to competitive solutions.



## Unlock AI-ready intelligence

To shift from reactive to predictive maintenance for roads, bridges, and tunnels, agencies need not just high-performance infrastructure, but data-aware, context-rich architecture that can digest and understand massive streams of multimodal data.

- **High-speed, context-aware ingest:** Accelerate the ingest and analysis of CCTV, LiDAR, GIS, and IoT feeds while automatically discovering, classifying, and enriching data as it lands so traffic, maintenance, and safety teams can act on trusted, well-described information rather than raw feeds.
- **Everpure Unified Data Plane for multimodal analysis:** Consolidate structured and unstructured transportation data—video, sensor, telematics, and work orders—into a single Unified Data Plane that eliminates silos and performance bottlenecks, making it easier to correlate incidents, assets, and outcomes across the network.
- **Data-aware Everpure Intelligent Control Plane:** Leverage an Intelligent Control Plane that combines Everpure automation with 1touch semantic context—continuously mapping where sensitive and mission-critical data lives, how it's used, and who accesses it—so AI and analytics pipelines can automatically draw from the right compliant data sets across on-premises, cloud, and edge environments.
- **AI-ready data for modern mobility:** Use enriched, contextualized data as the foundation for training and running AI models across autonomous transit, adaptive signal control, and city-wide sensor networks. This reduces low-quality AI outcomes and improves the accuracy, fairness, and explainability of transportation decisions.

## Harden cyber resilience and safety

Protecting mission-critical 911/CAD systems and sensitive evidence is a foundational requirement in an era of increasing ransomware targeting infrastructure.

- **Strict identity governance:** Prevent unauthorized access to transit data layers with integrated multifactor authentication and identity and access management.
- **Proactive threat detection:** Identify anomalies and suspicious encryption spikes early to protect the integrity of traffic management center feeds.
- **Immutable defense:** Utilize SafeMode™ Snapshots to ensure 911 and emergency dispatch data cannot be deleted or encrypted by malicious actors.
- **Operational continuity:** Deploy rapid, encrypted disaster recovery across long distances to ensure massive surveillance archives remain protected during regional outages.

## Modernize with Evergreen//One storage as a service

Modernizing transit portals, traffic systems, and virtual desktops shouldn't require disruptive upgrades or large, upfront capital projects. Evergreen//One™ gives transportation agencies a storage-as-a-service model that aligns spend to real usage while keeping infrastructure always-modern.

- **Storage as a service for transportation workloads:** Consume block, file, and object storage as a fully managed service across on-premises, colocation, and public cloud environments with a single Evergreen//One subscription instead of one-off hardware buys and piecemeal maintenance contracts.
- **Cloud-like economics, on-premises control:** Pay only for effective capacity used, with built-in capacity buffer and the ability to scale up or down as traffic, video, and sensor workloads spike. This avoids overprovisioning and surprise cloud bills while keeping data where sovereignty and latency requirements demand.
- **Always-modern, nondisruptive evolution:** Stay current with nondisruptive upgrades and continuous improvements delivered as part of the service—with no forklift refreshes or planned downtime—so transportation portals, 911/CAD, and traffic systems remain online even as hardware generations change.
- **Sustainable, efficient infrastructure:** Reduce data center footprint and power consumption with Evergreen® Architecture and dense all-flash systems that can consume up to 85% less power than legacy storage, helping agencies meet sustainability and cost-reduction mandates without sacrificing performance.

## Orchestrate fleet-wide data management with Everpure Fusion

Transportation teams already think in terms of fleet management for vehicles. Everpure brings that same discipline to your data.

- **Unify your data fleet:** Everpure Fusion™ federates Everpure FlashArray™, FlashBlade®, and cloud deployments into a single logical fleet so you can see and manage storage for traffic, automatic license plate recognition, and safety workloads as one environment across sites, regions, and clouds.
- **Policy-driven “fleet operations” for data:** Use workload presets and fleet-wide policies—latency, protection, and retention—to place and rebalance workloads automatically the way you route and schedule vehicles today, ensuring the right performance and resilience for each application without manual per-array tuning.
- **Fleet-level visibility and automation:** Gain a single topology, API, and control plane for the entire storage fleet, integrated with Pure1® intelligence so teams can troubleshoot issues, enforce cyber resilience standards, and plan capacity changes once at the fleet level instead of array by array.

## Take the next step

Ready to unleash the power of your data and accelerate modern mobility? Read how customers like [VIA Metropolitan Transit](#) and the [Arkansas Department of Transportation](#) are using Everpure to save millions, eliminate technical debt, and transition to data-driven roadway safety.

## Additional resources

- Explore your potential savings with our [Evergreen monthly cost estimate calculator](#).
- Learn about how Everpure can help [scale your storage needs](#).
- Read about how you can [strengthen your cyber resilience](#).

1 | This includes five years as a Leader in the Gartner® Magic Quadrant™ for Solid-State Arrays and now six years as a Leader in the Gartner® Magic Quadrant™ for Primary Storage. GARTNER is a registered trademark and service mark of Gartner, Inc. and/or its affiliates in the U.S. and internationally, and is used herein with permission. All rights reserved.

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