



# Automated Fiber Switching for Rail & Subway Networks

## ENSURING RELIABLE, REAL-TIME COMMUNICATION & OPERATIONS

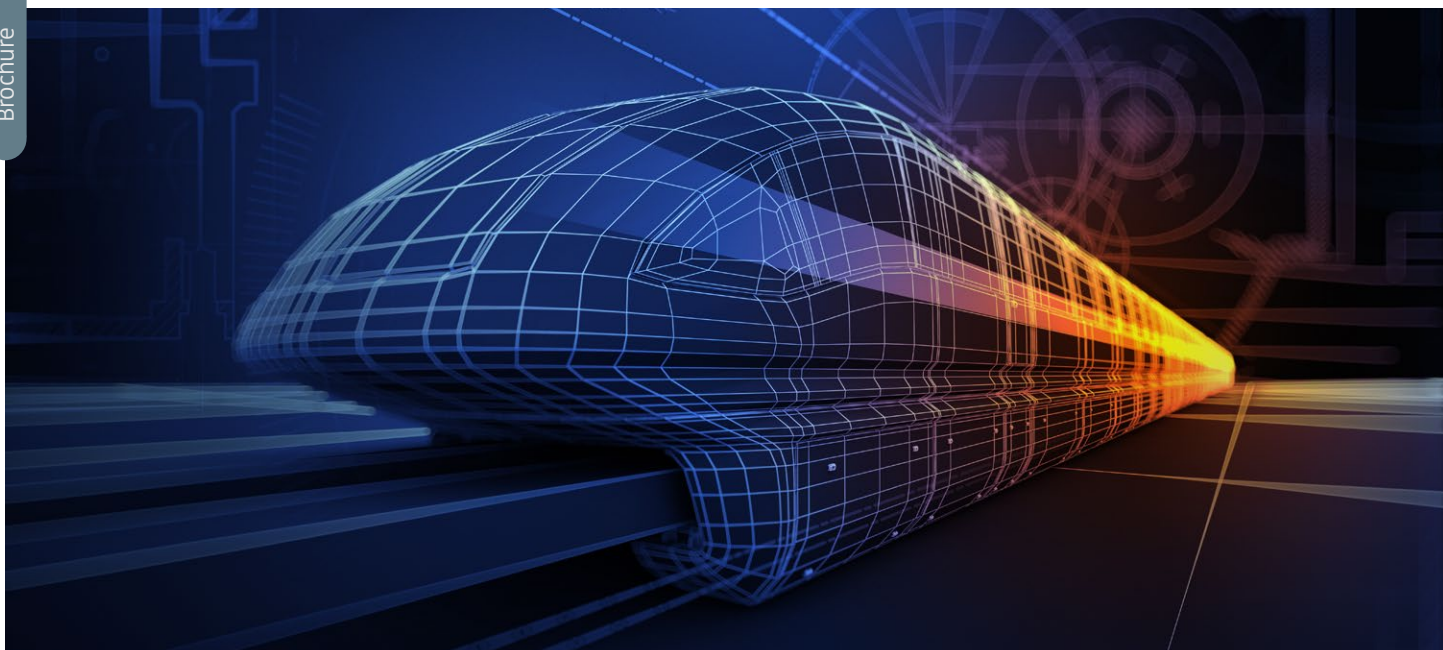
Modern rail and subway networks rely on fiber-optic infrastructure for signaling, surveillance, passenger Wi-Fi, and real-time operational control. Any fiber failure can disrupt safety systems, communication networks, and transit operations. XSOS by XENOptics enables automated fiber switching, failover response, and seamless remote management, ensuring zero downtime and uninterrupted railway operations.

## THE XSOS ADVANTAGE FOR TRAIN & SUBWAY NETWORKS

XSOS optimizes transit connectivity by delivering:

- **Instantaneous Fiber Switching:** Sub-minute reconfiguration ensures network uptime.
- **Automated Backup Paths:** Prevents service disruptions from fiber failures.
- **Remote Monitoring & Control:** Reduces on-site technician dependency.
- **Seamless IoT & Smart City Integration:** Supports real-time traffic & security applications.
- **Scalable Network Expansion:** Enhances fiber infrastructure for new transit hubs and routes.

▲XSOS-576D



## XSOS IN ACTION: ENHANCING TRAIN & SUBWAY COMMUNICATION

A metro subway system relies on fiber connectivity for passenger information, surveillance, and automated train control. A fiber failure could disrupt real-time operations, causing delays and safety risks. With XSOS, fiber traffic is rerouted instantly, ensuring uninterrupted transit services without manual intervention.

- **Train Control & Signaling Networks:** Provides failover protection for mission-critical operations.
- **Station & Passenger Communication Systems:** Ensures continuous network availability for real-time transit updates.
- **Security & Surveillance Connectivity:** Supports fiber-based video monitoring and emergency response systems.

## WHY RAIL & SUBWAY OPERATORS CHOOSE XSOS

- **Failover in Real-Time:** Ensures that communication and security networks never go down.
- **Remote Management of Transit Networks:** No need for on-site fiber switching.
- **Seamless Smart Transit Connectivity:** Supports IoT-powered transit monitoring and security.
- **Cost-Effective & Scalable:** Reduces downtime costs and expands with transit network growth.
- **Management:** End-to-end web based network management.

## THE FUTURE OF AUTOMATED TRANSIT COMMUNICATION STARTS WITH XSOS

Rail and subway networks require mission-critical fiber switching to keep operations running safely and efficiently. XSOS delivers industry-leading automation, failover protection, and scalability for next-gen transit systems.



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