BLACK BOX®

CASE STUDY
TRANSPORTATION



Always-On Control for Modern Rail Operations

CHALLENGE

A regional rail operator needed uninterrupted KVM management across its primary Operations Control Center (OCC), backup OCC, and depot control room. With a traditional two-node management cluster, a fiber outage between sites could leave remote operators without centralized management, increasing operational risk and requiring manual intervention to restore service.

SOLUTION

The operator upgraded to Boxilla® FailSafe™, expanding its high-availability architecture to four clustered management nodes across multiple facilities. During a network interruption, each site automatically maintained local management, while intelligent self-healing restored a unified cluster when connectivity returned.

RESULTS

- Continuous management across all control rooms during network disruptions
- No manual recovery or emergency IT intervention required
- Faster recovery following maintenance or fiber outages
- Improved operational resilience while using existing hardware
- Greater confidence in meeting uptime and continuity objectives