

Milesight Empowering Next-Generation Free Flow Tolling Infrastructure in Brazil



Location

Brazil



Overview

Driven by Brazil's highway concession reform, tolling operators are accelerating the transition from traditional toll booths to Free Flow tolling systems. To support this shift, One of Brazilian technology development company and integrator launched a large-scale Free Flow project across the Baixada Santista and Litoral Paulista coastal regions of São Paulo State. Milesight provided a comprehensive infrastructure solution including traffic cameras, switches, and NVRs, supporting the deployment of a multi-gantry tolling network.



Solution Highlight

• Full-Scale, Two-Phase Deployment

Delivered 167 cameras in Phase 1, with 150 more cameras, 120 switches, and 60 NVRs planned for seamless network expansion.

• End-to-End Intelligent Infrastructure

Integrated cameras, switches, and NVRs deliver reliable license plate recognition, vehicle classification, and continuous video recording.

• High-Accuracy Recognition for Free Flow

Enables accurate high-speed license plate recognition and multi-lane vehicle tracking for reliable Free Flow tolling.

• Seamless Transition from Traditional Tolling

Supports hybrid deployments, enabling a smooth migration from conventional toll booths to Free Flow operations.

• Flexible Architecture for Local Requirements

Adapts to Brazil's tolling policies with backend integration for payment processing and enforcement.

• Scalable and Consistent Expansion

Standardized architecture ensures future expansion while maintaining full compatibility across all sites.



• Compliance-Ready Deployment

Government-certified equipment ensures regulatory compliance in Brazil's highly regulated tolling environment.

• Long-Term Operational Reliability

Built for 30-year concession projects with stable performance, long-term support, and reliable spare parts supply.

• Benchmark Project for Brazil

Developed with our client, the project sets a benchmark for future Free Flow tolling deployments nationwide.