



MTA Bridges & Tunnels ATM IDEAS

Client: New York MTA Bridges & Tunnels

Location: New York Metro Area, NY



System Features

- DYNAC ATMS® Software
- Decision Support Management
- Data Warehousing
- Integrated Audio Management
- Browser-based User Interface
- Transcom Data Exchange
- Regional ITS Architecture
- CCTV
- NTCIP
- DMS
- Weather Management System
- Multicast Video Over IP
- Center-to-Center Architecture



New York MTA Bridges and Tunnels is the nation's largest bridge and tunnel authority serving more than one million people daily. It operates the Henry Hudson, Robert F. Kennedy, Bronx-Whitestone, Throgs Neck, Verrazano-Narrows, Gil Hodges-Marine Parkway, and Cross Bay bridges and the Queens-Midtown and Brooklyn-Battery tunnels.

Transdyn designed, built, and maintains ATM IDEAS (Advanced Traffic Management Incident Detect/Evaluate/Act System) for the Authority. ATM IDEAS included designing, furnishing, and integrating new computer, communication, and software systems at each bridge and tunnel control center and the development of a new central Operations Control and Communication Center (OCCC).

ATM IDEAS forms the backbone of the Authority's Intelligent Transportation System program. Managed by Transdyn's DYNAC ATMS® software (Advanced Traffic Management System), the system provides a platform for critical traffic management functions at each of the Authority's bridge and tunnel facilities as well as system-wide monitoring and control at the OCCC. An interface to TRANSCOM, the area's multi-jurisdictional committee dedicated to collecting and disseminating real-time regional traffic update information, is also included. The system provides agency-to-agency video and the exchange of incident and travel time data.

DYNAC ATMS® allows the Authority to efficiently monitor traffic, weather, and roadway conditions, detect and respond rapidly to incidents and events that impact multiple facilities and agencies, and provides real-time motorist advisories through dynamic message signs (DMS).

Transdyn provided new computers, communication equipment, and a fully integrated video surveillance system linking 9 facilities with over 200 existing and new video cameras. A new state-of-the-art video over IP distribution system broadcasts high definition video surveillance images between the facilities and the OCCC over a high-speed wide area network. The system assists operators in reducing congestion, providing facility security, and improving incident detection and clearance times.