



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

DYNAC™

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, Triborough, 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.