

Chesapeake, Virginia

ATMS Maintenance Services for the City of Chesapeake

The City of Chesapeake roadway network faces constant high demand, with limited space to add lanes or otherwise increase capacity. The result is significant traffic congestion and related impacts such as increased risk of accidents.

EcoTrafIX Platform the Key to optimize the mobility conditions in the city, reducing traffic congestion.

City of Chesapeake is a medium size city with 250,000 inhabitants where Kapsch is currently carrying out the ATMS maintenance support. Kapsch has renewed this contract for 2022. During more than 4 years without interruption and henceforth, allows the city to successfully implement traffic plans.

The Traffic Management System for the City is working under Kapsch's EcoTrafIX™ software, optimizing the mobility conditions of public transport by responding effectively, reducing traffic congestion and thus ensuring that people have the right to mobility in the best conditions. The current implemented traffic management system provides advanced performance control, CCTV Camera Monitoring, Dynamic Message Signs, and traffic detectors for an efficient mobility.



Project Scope:

- On-call ATMS software support for 250 controllers, 30 Cameras, 7 Dynamic Message Signs, and Traffic Detectors.

The Challenges:

- Through the EcoTrafIX Platform, allowing the City of Chesapeake to expand traffic control management for new intersections, incident management, data analysis, report generation, as well as the availability of data to be used for transportation analytics.
- Promoting a comprehensive interaction of a traffic control system with Dynamic Message Signs so that citizens will obtain reliable information about traffic and transport over 90 bridges and six draw bridges. One of the draw bridges is the Great Bridge which has a mean daily traffic of 35,000 vehicles.

The Solution:

- Deliver EcoTrafIX next generation ATMS platform, which will allow a significant improvement in the mobility of vehicles and the mobility of any means of transport, including pedestrians. This Platform will integrate all the existing and new Traffic System equipment and will enable the Traffic Managers to make the right decisions.
- Implementing and developing traffic solutions such as the real-time Adaptive Traffic Signals System which provides advanced performance control strategies for an efficient mobility. The System proposes effective solutions to mitigate the congestions as it analyses and identifies the causes in advance.
- Camera Video Sharing with Virginia 511 to provide real-time traffic information to commuters and local news



The Added Value

- Effective and accurate overview of the traffic situation in real time based on mobility data received by System.
- Allow the City Traffic Department to make the right decisions based on the quality information obtained in the streets of Chesapeake.
- EcoTrafIX expands traffic monitoring capabilities using the new Signal Controllers/CCTV cameras and implements event plan Management, key for the success of the city.
- Improvement of the quality of life for citizens in the City of Chesapeake, in terms of reduced congestion and improving the air quality.