A Single Platform that Evolves with You
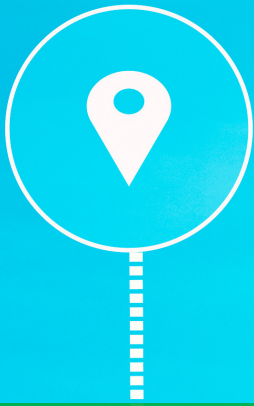
Black&McDonald

The changing landscape of cities and transportation technology is increasing the impact and importance of traffic configuration.

Traditional Advanced Traffic Management Systems (ATMS) are built for a static world. ATMS take complexity into account, but not change. They are built on top of a variety of software and hardware systems, have hard-coded automation, and require constant customization. When new traffic control technology is introduced, ATMS requires multiple code changes and months of back-and-forth testing to integrate traffic control techs into situational awareness tools and workflows successfully. It's impossible to create a mobility strategy with such a tool when the rate of innovation is so fast. With drivers and vehicles more connected and independent than ever before, traffic managers are stuck using outdated technology to solve outdated problems.

The changing landscape of cities and transportation technology is increasing the impact and importance of traffic configuration. With smart software technology agencies can empower operators to collaborate and adopt new technologies as they develop, addressing the unique needs of traffic management agencies across Canada.

Having to deal with different technologies and their software separately is difficult and time-consuming, especially when each software is targeting a closed system with sole purpose, sole technology manufacturers. By integrating disparate systems into smart technology, however, systems from different manufacturers can function within a single, structured portfolio of modules and run from a single platform. Smart transportation could run on a truly open-architecture and unified platform blending IP video management, automatic license plate recognition (ALPR), access control, communications, and integration within one intuitive, modular solution.

Genetec's system gives you a better understanding of traffic patterns across your road network, rapidly identifies incidents using multiple analytics, and automates routine tasks.

The single control system should fit agencies' needs and provide the advantage of the latest hardware and analytics technologies making it more efficient. This leads to better decision-making, and the ability to respond to situations and threats with greater confidence as what is Smart ATMS should be designed for. Some of the major benefits of having a single control system are the following:

- Fit with any hardware, including VMS, bluetooth, encoders, ALPR, cameras, sensors, radars, gates, and storage equipment.

- Unify video with other core systems such as access control, ALPR, intrusion monitoring, and communications. Get a common operating picture by navigating between multiple sites and monitoring all of your entities on a single interface.

- Rely on insights and smart data to respond to what matters and automate everything else. Unified video analytics helps you understand the situation at hand, so you can react quicker and improve your daily operations.

- Monitor your area with interactive maps providing a dynamic view of all ATMS infrastructure with real-time events and status updates.

- Present incidents and trending reports in chart formats to facilitate investigations and help discover incident patterns that may indicate areas of improvement.

- Use mobile or web apps to view video feeds and instantly share video from mobile devices. Also, monitor alarms and activate threat levels on the go.

Some integrated systems simply connect a variety of applications to share data, while with innovation we can look at a system that can deliver an unparalleled unified operator and user experience. From a single monitoring application at their workstation or operations control room, operators can view the entire smart environment. With information correlated before their eyes, they benefit from greater awareness and operational insights, augmenting public safety.

With the Unified Mobility Operations of Genetec, we improve situational awareness by unifying all sensors and systems under a single pane of glass. Genetec's system gives you a better understanding of traffic patterns across your road network, rapidly identifies incidents using multiple analytics, and automates routine tasks. Unified Mobility Operations responds to planned and unplanned events seamlessly, all while allowing integrated collaboration with other agencies.