STO and ENGIE partners for a smarter mobility in Gatineau, Canada.

The Société de Transport de l’Outaouais (STO), transit agency operating buses and Bus Rapid Transit within the Gatineau and Ottawa region, successfully implemented the Navineo’ Intelligent Transportation System (ITS) & Services, a CAD/AVL and APC system by Engie.

The STO is a Gatineau based transit agency, facing Ottawa on the other side of the Ottawa River. The STO fleet comprises of 310 fixed-route buses, including the Rapibus, the BRT system.

A new approach to passenger information
The Navineo Passenger information system is accompanying travelers throughout their trips, every day, with reliable and precise information.
On board, vehicle geolocation makes it possible to provide audio announcements and display information on the variable message signs about upcoming stops, detours, the imminent departure of the bus, stops not served, and more.
A GTFS-RT interface with the application Transit has been developed to inform riders about real-time information and help them better plan their journeys.

Further enhancement includes the display of real-time information the STO mobile apps and website.

Better efficiency for the bus system
For a better efficiency and quality of services, Automatic Passenger Counting has been installed on 60% of the fleet, to conduct routes ridership survey. It allows to plan new services and make the most optimal adjustment when a bus is overloaded. 200 buses are equipped with a 3D video technology counting cells at every bus doors, directly connected to the On-board Unit, which send the passenger loads in real-time at the dispatch.
« The STO benefits from a state of the art system, allowing them to monitor the fleet in real-time, to improve route planning and optimization, increase On-Time performance and quality of services. » says Baudouin Huon, Transportation Market Director at Engie. 

Now that the project is completed, the STO and Engie are starting a new project to implement a Traffic Signal Priority system, using a centralized command, whose aim is to improve the commercial speed of the STO’s fleet and improve the On-Time Performance.

About ENGIE Ineo -

As a creator of solutions for connected urban areas and neighbourhoods (electrical solutions, communications and information systems), ENGIE Ineo is over 15,000 employees working to meet the needs of a changing world. In 2018, it reported revenues of €2.4 billion.

With a network of 300 facilities in France and abroad, ENGIE Ineo’s teams innovate to support their customers in the energy and digital transition. They support them to design telecommunications and energy infrastructures as well as transport, tertiary and industrial projects, and those linked to aeronautics and defence. From design through to production, maintenance and operation, ENGIE Ineo’s experts imagine and anticipate tomorrow’s needs by developing solutions combining technical and cost-effective performance. ENGIE Ineo is part of the ENGIE Group, one of the leading energy companies worldwide. www.engie-ineo.fr

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