

LUMINATOR SYSTEM SOLUTIONS FOR PUBLIC TRANSIT SYSTEMS NETWORKED PASSENGER INFORMATION

Busworld / Brussels, October 2019. The Luminator Technology Group is presenting itself at Busworld 2019 in Brussels as a corporate group, where it will be exhibiting the latest technical advances and global customer projects for more intelligence, safety and efficiency in public transit systems.

One of the biggest tasks of our time is to facilitate mobility for people. Our cities are growing, passenger transportation is becoming more complex and demands are increasing. In order to keep pace with customer expectations, vehicle manufacturers and transit operators have a greater need for passenger information and security systems. The Luminator Technology Group, manufacturer of digital information systems, video security systems and lighting solutions for mass transit systems, is familiar with these challenges and offers a broad portfolio of intelligent system solutions worldwide. The latter are implemented by established regional teams from Luminator, currently at different locations such as Texas, the Netherlands and Sweden.

E-paper displays for buses and stations

Bus stops and stations can be easily and efficiently equipped with Luminator's new e-paper digital displays – even at locations without a power supply. What is probably the largest project of this type is currently being implemented in Austin/Texas: by the end of this year over 140 e-paper displays (32" and 13") are to be installed at bus and subway stations for transit operator Capital Metro. This in-house development of Luminator was specially conceived for public transportation networks and displays trip information for passengers in real-time through an easy-to-read front lit design that emits no light pollution. Behind this lies an intelligent interplay of various system components in the network. The integrated software enables all signs in the system to be monitored, managed and updated from a central location. Using solar power, e-paper displays reduce costs and energy consumption.

Information in real time

A further highlight at Busworld will be the Luminator passenger information system that is already in use in Sweden. In accordance with ITxPT guidelines, dynamic data exchange

ensures current trip data is available from the central system. The driver, the passenger and the transport authorities receive exactly the information they need in real time. If operations are disrupted, the driver can react using the driver terminal, allowing the office to plan accordingly, so that passengers can quickly obtain the latest information and changed arrival times. Even the passenger's next connections are displayed promptly because neighboring services are also incorporated. All vehicles are located via GPS, devices are connected via the AccessWeb back office software and managed via mobile radio. In this way, efficient IT ensures relaxed and informed drivers and passengers.

Live images for security

When it comes to passenger safety in mass transit, the networked mobile video systems from Luminator with a unique hybrid storage system of hard drives and SD cards are the optimum choice – including video content management and machine learning for intelligent image recognition.

For transit operator EBS Haaglanden in the Netherlands, Luminator is currently installing a complete integrated system of bus stop displays, infotainment and video security with managed switches, whereby the office has real-time access to every device in the system via the wireless network. Configured and managed using icenter software, text and image content can easily be configured and data exchanged from the control center. The video security system is also controlled this way with live recordings streaming to the back office or shown directly on the bus.

Pictures for download:

<https://www.ltg-emea.com/en/company/media.html>

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About us

The Luminator Technology Group (Luminator) is one of the world's leading manufacturers of digital information systems, video security systems and lighting solutions for public transportation by bus, rail and air. In addition to the world's largest vehicle manufacturers, our customers also include transport undertakings and municipal operators of all sizes, from remote villages to the world's biggest metropolitan areas. The company was founded in 1928 and has its head office at Plano in Texas, USA. Over 1,000 employees in our facilities in Germany, Switzerland, Sweden, Poland, Canada, USA, Brazil and Australia attend to customers in more than 85 countries throughout the world. Our solutions help operators to cope with the increasingly networked information technology and to cater for their growing information and security needs.