

# Tramwaje Warszawskie Sp. z o.o.



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**Dla  
Zainteresowanych**

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l.dz. DTR<sup>02</sup>.2014



Członek Międzynarodowej Unii  
Transportu Publicznego (UITP)



Certyfikat Zintegrowanego  
Systemu Zarządzania  
Jakością  
PN-EN ISO 9001:2009  
Środowiskowego  
PN-EN ISO 14001:2005  
BHP  
PN-N 18001:2004



Certyfikat Międzynarodowej  
Sieci Jednostek Certyfikujących  
(IQ Net)

## Letter of Reference

We hereby inform that Infotron Sp. z o.o. with its registered office in Warsaw at Służby Polsce 2 street, during years 2007-2013 manufactured and supplied a total of 514 sets (including 186 for new tramways - as at 01.12.2013) of Tramway Traffic Supervision System (SNRT2000) for trams operated by our company.

The supplied vehicle equipment sets include: on-board computers, UHF radios, integrated driver's control panels, traffic light priority transmitters, duplexers, antennas, GPS location devices and Wi-Fi modules. Among other things the system is used to provide two-way voice communication between the driver and the dispatcher, two-way data transmission between the tram and the Dispatch Center, assigning traffic light priority at intersections, localizing vehicles in the city and recording the actual time of departure at the stops. Data collected by the system is the basis for settlement between Warsaw Tramways and Warsaw's Urban Transport Authorities (ZTM) in terms of punctuality of the fleet.

The system also consists of wireless Wi-Fi networks installed at each of the 4 depots in Warsaw and equipment installed in Warsaw Tramways' Traffic Control Center which consists of computer stations and software for vehicle fleet management.

Infotron has exclusive custody of the operation and maintenance of its SNRT2000 system that works flawlessly and meets the Warsaw Tramways requirements. Devices manufactured by Infotron comply with strict EN-50155 and EN – 50121 standards and are characterized by high durability and reliability.

Translation from Polish © Infotron

**CZŁONEK ZARZĄDU**

*mgr inż. Wojciech Pesiak*

**PREZES ZARZĄDU**

*mgr Krzysztof Karos*