



GMV To Create First Real-Time Passenger Information System For Gdansk, Poland's Public Transportation

Gdansk To Receive One of the Most Advanced Information Systems of Its Kind That Will Keep Passengers Continually Updated on Schedule Changes

Madrid, Spain, 10 March 2009.- GMV (www.gmv.com), a leader in fleet management systems for buses and railway transportation headquartered in Madrid, Spain, won at the end of 2008 and in collaboration with the Energy and Mining Technical Assistance Loan (EMTAL), an important contract to supply a new passenger information system for the Polish city of Gdansk. Through joint services provided by GMV and EMTAL, a Polish leader in integration and introduction of informational technology (IT) systems for public transportation, this contract will create one of the most advanced real-time passenger information systems on today's market. This is the first system of its kind for a large Polish city like Gdansk. It will keep potential passengers continually abreast of changes in schedules among the city's buses and trains.

This system will include 40 information posts throughout the city, with high-resolution LCD (liquid crystal display) and LED (light emitting diode) panels showing real-time estimated times of arrival at certain bus stops and train platforms. Other types of information can also be fed into the system, such as entertainment, news, publicity, etc.

Communication between information posts and the control center will be via Global Systems for Mobile Communications/General Packet Radio Service (GSM/GPRS) and fiber optic technology, tapping into the city's existing cable system. The 350 buses and trains that comprise Gdansk's public urban transportation system will be tracked through highly dependable and robust onboard technology (A30 GPS and GSM/GPRS units), which are able to handle temperatures as low as -30 °C.

The A-30 onboard unit is a mobile GPS tracking device with GSM/GPRS communications based on an internal modem. It receives a satellite signal to locate the vehicle and then sends the information on to the control center through a communication modem.



The control center consists of high-availability servers configured entirely GMV-developed software acting as the heart of the system. The advanced algorithms of this software enable estimated times of arrival to be calculated with only a tiny margin of error.

It is expected the system will be 100 percent operational in June of this year.

The implementation of the new passenger information system in the city of Gdansk reinforces GMV's leadership position in the development of advanced fleet management and passenger-information systems, enhancing the international projection of its transport-sector products and services.