



周大福企業及新創建集團成員
Member of Chow Tai Fook Enterprises and NWS Holdings



新聞資料 *Media Information*

Citybus Further Steps Up Service Level with KGIS’ Automatic Bus Stop Announcement and Wi-Fi Data-logging Solutions

[3 October 2007, Hong Kong] The Citybus (“the Company”) fleet is stepping up to become even more passenger-friendly and operationally efficient, with the adoption of a high-tech Wi-Fi data-logging and GPS enabled automatic bus stop announcement solution developed by KG Intelligent Systems Limited (“KGIS”). The various automatic functions for real-time positioning announcements, information displays as well as Wi-Fi vehicle motion data-logging and reporting are unique among those systems that other Hong Kong transport operators are currently employing. The system will go live during 2008.

A small box the size of a car radio, the system is wired into a vehicles engine and operating systems, where it gathers comprehensive data about the vehicles motion on the road. This includes the way it is driven, its speed, acceleration, braking, fast cornering and engine temperature. It encourages drivers to accelerate and decelerate smoothly, thus avoiding those erratic driving behaviour that may waste fuel, increase emissions and cause wear and tear to the vehicle’s brake pads and wheels. The system also records details of any accident or impact, as well as malfunctions, such as engine overheating.

All the collected information will be converted into user-friendly operational reports that are transmitted to Citybus’ central control server via a Wi-Fi network downloadable immediately inside the bus depot. Such “early-warning” reports alert the Company to diagnose driving behaviour and potential engineering problems and take preventive actions. It is a pro-active prevention system comparable to those passive data-logging solutions currently employed by other transport operators. This reduces the inconvenience to passengers of possible breakdowns, and the cost to the Company of having buses off the road for lengthy repairs.



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A high-quality LED visual display and digital-voice automatic bus stop announcement (“ABSA”) function is also incorporated into the system. The announcement is automatically played by a built-in state-of-the-art vehicle positioning engine that KGIS has developed to overcome urban canyon challenges in Hong Kong, such as unstable and insufficient reception of GPS satellite signals. Besides announcing the next bus stop, it tells passengers about on-spot scenic information en-route and other useful travel information in Cantonese, Putonghua and English. By having two solutions combined in one box, the location travelled by the vehicle is also logged together with the motion log, and the Wi-Fi system is shared for media loading.

The system has been built around the KGIS mobile hardware platform, which embraces advanced vehicle-tracking technology as well as software development and integration. KGIS will design, supply and install it, as well as provide turnkey project management and long-term operational support.

Citybus has awarded the contract to KGIS after extensive road tests and in the face of strong competition from both local and international vendors. It is another major step forward in the efforts KGIS are making to dispel the myth that GPS-based positioning systems are inaccurate and ineffective in major urban areas like Hong Kong. Buoyed by this success, KGIS intends to maintain its status as a leader in efficient and reliable GPS-driven applications for public transport operators.

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About KGIS

KGIS (www.kgintell.com) is a Hong Kong-based joint-venture between two local companies, Kingsmith Limited and GELEC (HK) Limited. Kingsmith is an established technology design and development company at the forefront of the mobile and wireless data communication industry. GELEC was formed in July 1999, following the sale of the now defunct GEC (HK) Company’s trading arm to the Shriro Group. GEC was formerly Hong Kong’s largest electrical and mechanical contractor, and it was involved in airport, rail and infrastructure projects worth a total of more than HK\$3 billion during the 1990s.



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KGIS has developed FleetHOST, an advanced, high-performance integrated telematics platform that is especially suitable for public transport fleets. Modular in design, as well as flexible and scalable, FleetHOST is an intelligent, multiple application solution for the fast-expanding global ITS sector. It also has multi-functional expansion capabilities that enable it to be deployed on a large scale.

About Citybus Limited

Citybus is jointly owned by Chow Tai Fook Enterprises Limited and NWS Holdings Limited. NWS Holdings Limited (“NWS Holdings”, Hong Kong stock code: 0659), the infrastructure and service flagship of New World Development Company Limited (Hong Kong stock code: 0017), embraces a diversified range of businesses in Hong Kong, Mainland China and Macau. Its **Infrastructure** portfolio includes Roads, Energy, Water and Ports projects. Its **Service & Rental** division comprises Facilities Rental (the management of *Hong Kong Convention and Exhibition Centre* and *ATL Logistics Centre*), Contracting (*Hip Hing Construction Group* and *NWS Engineering Group*), Transport (*New World First Bus*, *Citybus* and *New World First Ferry*), etc.

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