

KGIS Develops Next Generation Smartcard / Automatic Fare Collection Hardware Platform for ERG Transit Systems, Australia

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Working closely under contract with ERG Transit Systems of Perth, Western Australia, KGIS have developed a next generation hardware platform based on its proprietary ARM / Linux architecture. This hardware platform is licenced by KGIS for sale or use by ERG and its customers.

ERG will use the technology to support future product deployment and replacement programmes in its global public mass transit smartcard and automatic fare collection markets.

The new KGIS hardware comprises an **ARM Processor Board** including processor, memory, RTC, Linux Kernel and drivers for Ethernet Driver; External Ethernet or USB Wireless LAN module Driver; Audio System Driver; LED and Single Wire Cradle Interface Driver; Basic Serial Printer Driver; Basic GPS Board Driver; Basic Keyboard Driver; Basic LCD Driver.

An **ARM Peripheral Board** including RS422 compatible interface to support speeds up to 430Kbaud (plus high speed USB port), Ethernet Line Drivers; Ethernet or USB Wireless LAN Module Selection; Audio System Tone Generator and On Board Amp; LED and Single Wire Cradle Interface Support; Serial Printer Interface Configuration, plus automotive grade **Power Supply Board** and a **Vehicle Location Board** encompassing high performance / high grade GPS vehicle tracking applications for sectional fare and other AFC-related functionalities.

The new boards have attractive upgradeability options which allows for the deployment of multiple applications on the same hardware, providing significant economies of scale and value for money to the end user. The deal will also enable ERG and KGIS to combine their respective core technologies to provide turnkey public transport solutions to their client base.

KGIS General Manager, Ian O'Donoghue, commented: "It has been a tremendous start to what we hope will be a fruitful and long term relationship with ERG and we see this as a very significant first move forward. We have always said that KGIS are a 'multiple choice' company and we are prepared to offer a range of fully integrated products or to mix-and-match our technologies to meet the changing demands of our partners and clients".

For more information about ERG Transit Systems, please visit; www.erggroup.com

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