



GE Power Management
215 Anderson Ave., Markham, ON, Canada L6E 1B3
Tel.: (905) 294-6222, Fax: (905) 294-2098
Email: info.pm@indsys.ge.com
Web Site: www.GEindustrial.com/pm

For Immediate Release:

City Power Johannesburg signs largest Universal Relay order for South Africa

*Utility using technology from GE Power Management to
begin its transition to the IEC 61850 Protocol*

Markham, ON, October 3, 2001 – GE Power Management and Drivecor (PTY) Ltd. have reached another milestone with the signing of their biggest South African **UR** (Universal Relay) contract to date with City Power Johannesburg. The contract calls for the purchase and installation of **D60** Line Distance Relays, **T60** Transformer Management Relays and **F60** Feeder Management Relays for full automation and control functions at two substation refurbishment projects in Sentraal and Roodetown. Drivecor is responsible for the installation, commissioning, maintenance and support of the URs. Among other milestones, Drivecor was also responsible for deploying the first ever UR installation in Nelspruit, and has also recently signed a deal with the country's largest utility in Durban. The Johannesburg project is slated for commissioning in January 2002.

Blaize Magee, Marketing Director for Drivecor, says, "The Sentraal and Roodetown projects of City Power Johannesburg, are part of an ongoing refurbishment project that is focused on achieving full-scale automated protection and control." He explains that the utility is now laying the groundwork for migrating to the IEC 61850 protocol once it becomes available. "Because UR technology is based on the MMS UCA protocol, it can provide the first steps to achieving the desired end. We can take advantage of the MMS UCA protocol today, while allowing the utility to easily migrate to the protocol of the future without having to undergo major system conversions."

Marc Paravano, Senior Engineer, Power Systems Protection for City Power explains, "City Power decided to automate as much functionality as possible in our refurbished and new installations, in order to provide full remote control of the substations. We wanted detailed event recording and oscillography to be accessible from head office to allow for fault analysis. City Power identified the UR as the ideal product to protect, automate and control our substations with up to 88KV voltage level. With the availability of dual redundant Ethernet networks, as well as peer-to-peer communications, complex interlocking and automation sequences have been implemented with confidence. The UR's modular design will also reduce overall repairs and spare part cost. The

UR engineering tool, namely the URPC software program, has been widely accepted among our engineers.”

In regards to adopting the IEC 61850 standard, Paravano adds, “It is a protocol that all vendors will support and allow for the interchangeability of in-service products with due consideration given to price, functionality, support and reliability. Seamless integration of such products into the SCADA system is a priority, and the UR promises an easy migration to IEC 61850.”

Mike Coleman, Global Sales & Marketing Manager for GE Power Management, says, “The utility industry in South Africa has been very progressive in its approach to substation automation. These utilities are definitely setting a benchmark for others to follow. Two years ago, Nelspruit was the first utility in the world to adopt the MMS UCA protocol when it commissioned the UR at one of its sites. Today, Johannesburg is leading the charge by laying the groundwork for the upcoming IEC 61850 protocol. Drivecor's input, support and expertise have been invaluable in bringing the value of UR technology to South Africa.”

About the UR

GE Power Management UR products are PC-based solutions that support the open standard EPRI UCA™ MMS/Ethernet protocol. All UR products combine peer-to-peer high-speed communication capabilities with modularity, flexibility and field-programmable FlexLogic™ control for simplified substation automation. UR products include the F35 Feeder Protection Relay, the F60 Feeder Management Relay, the C30 Controller, the L60 Line Phase Comparison Relay, the L90 Line Differential Relay, the C60 Breaker Management Relay, the T60 Transformer Management Relay, the B30 Bus Differential Relay, the D60 Line Distance Relay, the M60 Motor Management Relay, the G60 Generator Protection Relay, the T35 Transformer Management Relay and the R30 Data Recorder.

About City Power Johannesburg

City Power Johannesburg was the result of the privatization of GJ Metro and Midrand Electricity on January 1st, 2001. Greater Johannesburg Metro Electricity was formed in the late 90's when Electricity Departments of Alexandria, Johannesburg, Lenasia, Ennerdale, Diepmeadow, Randburg, Roodepoort and Sandton were combined into one. Today, the utility has approximately 200 substations servicing a customer base of approximately 400 000 in the central areas of Johannesburg, Randburg and the western area of Roodepoort.

About Drivecor (PTY):

Drivecor, based in Johannesburg, South Africa, is an electrical engineering company that specializes in protective relaying and substation automation. Drivecor has a regional office in Durban, South Africa. Drivecor has worked on numerous UR projects for utility and industrial customers, and has installed over 250 URs to date, making it the leading provider in the country. For more information, please call (031) 764 2212 or email drivecor@drivecor.co.za.

About GE Power Management:

GE Power Management, based in Markham, Ontario, Canada, specializes in the design, manufacture, sales and service of protection, metering and control equipment as well as automation systems for generation, transmission, distribution and for industrial plants around the world. For more information, visit the website at <http://www.GEindustrial.com/pm>.

-end-

For Further Information Please Contact:

Christine Krokker
Manager – Marketing and Sales Support
GE Power Management
905-201-2192
christine.krokker@indsys.ge.com