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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



**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](mailto: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>.

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