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## Universal Relay™ protecting power transmission to Southwest USA

*Salt River Project uses latest technology to protect investment in new transmission infrastructure*

**Phoenix, AZ – November 14, 2001** – Salt River Project (SRP), a large, publicly owned utility in Phoenix, Arizona, is expanding their network of power transmission lines to better service its nearly 750,000 customers in the US Southwest. As part of their expansion initiative, they are installing additional transmission lines to both existing and new substations. SRP has chosen GE Automation Services (GEAS) protective relay panels featuring the [Universal Relay](#) from GE Power Management (GEPM) to secure their infrastructure investments.

GEPM and GEAS have a proven track record of successfully working together to provide transmission protection systems. Earlier in 2001, they built panels and commissioned the 230 kV Browning receiving station in East Mesa, AZ. Their synergies on this project impressed SRP, and this helped GE win the Hassayampa substation project, valued at nearly US \$1.2 Million.



**GEAS Panels with L90 and D60 Universal Relays from GEPM**

The Hassayampa contract involved the design, engineering and building of 30 line protection panels for the 500kV substation. The panels contained a combination of [L90](#) Line Differential Relays, [D60](#) Line Distance Relays as well as [SBD](#) Bus Differential electro-mechanical relays. SRP specified a triple redundant system for Utility transmission line and substation protection to provide their customers with highly reliable service.

Kasim Khan, Systems Engineer for GE Automation Services, commented on the joint project: "SRP really liked the workmanship of the GEAS panels, and was impressed by the level of support from GEPM, which included sending a senior application engineer to oversee the project. Additionally impressive was the fact GEPM provided a custom 'series compensation' modification to their URPC firmware, specifically for SRP's particular application."



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Services provided by GEAS included custom panel engineering, panel production and relay settings. GEAS called on GE Power Systems to help with line data relay calculations and customer training. The Hassayampa project will be commissioned in the spring of 2002.

The success of these two projects, and the advanced robust features of the UR family have opened the door for more opportunities with SRP. Both GE Power Management and GE Automation Services have established a strong rapport with SRP, and have been invited to bid on upcoming projects.

Larry Sollecito, General Manager of GE Power Management, said "The Salt River Project is a prime example of how customers receive custom-tailored solutions to their specific needs through the diverse products and services available from GE companies. By harnessing their synergies, GE Power Management and GE Automation Services were able to offer competitively priced, yet robust products and services. This is a great example of how customers are receiving more added value when dealing with GE."

#### **About Salt River Project:**

SRP is two companies: the Salt River Project Agricultural Improvement and Power District, a political subdivision of the state of Arizona; and the Salt River Valley Water Users' Association, a private corporation. The District provides electricity to retail customers in central Arizona. The District is an integrated utility, providing generation, transmission and distribution services. The Association delivers nearly 1 million acre-feet of water annually to agricultural, urban and municipal water users in the Phoenix area. For more information, visit <http://www.srpnet.com>.

#### **About the UR**

GE Power Management UR products are microprocessor-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 **B30** Bus Differential Relay, **C30** Controller, **C60** Breaker Management Relay, **D60** Line Distance Relay, **F35** Feeder Protection Relay, **F60** Feeder Management Relay, **G60** Generator Protection Relay, **L60** Line Phase Comparison Relay, **L90** Line Differential Relay, **M60** Motor Management Relay, **T60** Transformer Management Relay and the **R30** Data Recorder.



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**About GE Automation Services:**

GE Automation Services is a multi-disciplined engineering services firm offering high quality products and services to assist customers in achieving their technical and business goals. They specialize in control applications and Enterprise Engineering Modeling products and services. To provide customers with the necessary tools for process automation and integration, they have established strategic alliances with leading equipment and software suppliers. Visit: <http://www.GEindustrial.com/industrialsystems>.

**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 Web site at <http://www.GEindustrial.com/pm>.

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