

Britz Transformer Station Goes on Line in Neukölln, Berlin —  
e\*Nergy M2M Solution Performs Key Energy Management Function

## e\*Message Provides Secure Control Signal Transmission in Berlin's Power Grid

**Berlin, 3<sup>rd</sup> Quarter, 2014. Berlin's electric utility Stromnetz Berlin GmbH switched the new Britz transformer station, in the borough of Neukölln, on line today. The new station immediately improves the quality of electrical power supply for a first group of the approximately 26,000 household and business customers in the Britz district. The new facility marks the first use of a next-generation load management technology produced through the cooperation of Bosch Software Innovations GmbH and e\*Message W.I.S. Deutschland GmbH. The Berlin-based mobile wireless network operator e\*Message supplies a key function in the energy management system, the secure transmission of control signals through its M2M service e\*Nergy.**

To ensure reliable power supply, energy utilities today are called upon to remotely control decentralized energy loads and generators. The Britz transformer station is the first to meet this challenge using the e\*Nergy radio control system. A machine-to-machine (M2M) system offered by the Berlin mobile wireless network operator e\*Message, e\*Nergy is based on Europe's largest emergency radio network: e\*Message operates a satellite-supported digital radio network, independent of public telecommunication networks, with around 800 base stations throughout Germany. This radio network is used for fast mobile alerting of service, emergency and rescue personnel throughout Germany.

"e\*Nergy delivers reliable, efficient remote control of all kinds of power consuming and generating installations in modern utility plants like the Britz transformer station," said Dr. Dietmar Gollnick, CEO of e\*Message. "In developing this service, we worked in close cooperation with Stromnetz Berlin to implement all security specifications and ensure the intelligent control of M2M infrastructures at all times." The first step has been taken towards load-dependent control of storage heaters, non-public lighting, and heat pumps over e\*Nergy in the area served by the Britz transformer station.

The IT platform supplied by e\*Message's project partners Bosch Software Innovations GmbH and Stromnetz Berlin GmbH uses e\*Nergy to control power aggregates, switching them on and off or regulating individual elements gradually. The new technology is more compact and significantly more efficient than comparable methods. e\*Nergy is a pioneer in the field of radio control technology, and boasts a powerful communications infrastructure with coverage to serve every household in Berlin. e\*Message operates up to 40 base stations in Berlin and Brandenburg alone, at sites with maximum exposure, including broadcasting towers and optimally suited buildings. This ensures uniform, high-quality wireless coverage. Because the transformer station

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is controlled from the utility's central grid control center, electric power can be immediately rerouted in emergencies to restore service. The new transformer station on Buckower Damm replaces the old Britz transformer station built in the 1960s on the same site.

**Note:** Digital photographs on e\*Nergy are available on request.

**About e\*Message:**

e\*Message Wireless Information Services GmbH (e\*Message Europe) is the operator of Europe's largest emergency radio network. As one of four mobile wireless network operators in the German market, e\*Message maintains a satellite-based wireless network, independent of public networks, with some 800 base stations throughout Germany. e\*Message provides specialized messaging services, focusing on security, mobile organizational systems and integrated solutions. e\*Message services are used with digital receivers to notify, warn and alert individuals and professional groups — doctors, service technicians, government agencies, firefighters or snowplow services for example — quickly, precisely, and reliably. Founded in December 1999, e\*Message took over the paging operations of Deutsche Telekom and France Télécom in January of 2000, and has continuously developed both infrastructure and applications. The group's head offices are in Berlin and Paris.

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