

Press Release 19-2012

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**Bringing real-time performance to Utility**  
*Orga Systems masters complex billing challenges*

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**Paderborn (Germany), 17 April 2012:** There is a clearly economic, political and social pressure to use energy more efficiently and telecoms have a role to play. If Utility companies want to move from monthly or quarterly billing to a system that measures and charges by the hour or the minute, then telecoms billing companies are a natural supplier of the technology. Orga Systems offers convergence beyond fixed and wireless. Its Dynamic Energy Billing enables dynamic pricing and real-time rating of consumption data to support the growing adoption of Smart Grids and Smart Metering technology. It provides flexible tariff capabilities to improve the efficiency of energy generation, distribution and usage while reducing CO<sub>2</sub>-Emissions.

**Monetization of consumption at all times**

By moving the tariffs and rating from a smart meter to a centralized IT system, it is possible to utilize dynamic tariffing and billing on a network-wide basis. The meter provides information and readings on a real-time basis which can be used by the energy company to flexibly monitor consumption at all parts of the network as well as using information to detect theft of energy from pirate connections. The key is the central IT based system, which ensures accurate pricing and prevents fraud by e.g. introducing pre-payment schemes to the customers.

**Benefitting from Direct Load Control**

The average home wastes 25% of its energy; to continuously decrease energy waste Orga Systems enables the customer to choose different tariffs and sources of energy at different times of the day. Green technology is generated by offering the customer opportunities to use appliances when energy is cheaper. Orga Systems Energy & Billing Platform is able to bill energy usage in line with highly dynamic hourly spot market prices. The dynamic prices are used to trigger a Demand Side Management (DSM) for selected home devices. Given a green energy scenario, the focus would be on the substitution of fossil fuels (gas, oil) for water heating of private households in times when excessive and cheap renewable energy from the electricity grid is available.

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