

**Elering AS commissioned ProCom**

## **An electricity load forecasting system for the Estonian transmission grid**

Aachen, 15<sup>th</sup> of September 2011 – The Estonian transmission grid operator, Elering AS, has commissioned ProCom GmbH, Aachen, to realise an electricity load forecasting system for the support of the grid control. With the help of ProCom-forecasts, which are based on artificial neuronal networks, a very precise forecasting of electricity loads on a national and local or zonal level of aggregation will be enabled. Elering thus wants to raise the system integrity as well as the security of supply and obtain an improved access to the available transmission capacities.

A task, which due to the increasing complexity of the Estonian energy market, is becoming more and more challenging. The progressive liberalisation of the Baltic energy markets, the connection to the Nordic power exchange and the high growth of power from renewable energy sources, in particular from wind power are reasons for the increased requirements of the network planning in Estonia. To further ensure the functioning of the electric systems with high reliability precise forecasts are indispensable. Hence, the ProCom developed hourly, daily and weekly operational forecast is supposed to improve the operational planning.

The experts from Estonia were able to convince themselves in advance by the forecasting quality, as the selection process included a back-forecast for November 2010, which was calculated with historical data from two years. Here, ProCom could score with high accuracy. In addition, the clear presentation of the results and the experienced project planning and execution persuaded.

Picture: Elering\_Leitwarte.jpg



SCADA of Elering AS (source: Elering)

The manuscript and the picture of this press release are available from the Internet. To download them, go to [www.press-n-relations.com](http://www.press-n-relations.com) and switch the user interface to English. Then select "NEWS" and go to "SEARCH CUSTOMER". Select "ProCom" and then "Submit".

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**About Elering AS**

Elering is the Estonian Transmission System Operator, whose main duty is to ensure high-quality supplies of electricity to consumers at all times. To achieve security of supply, Elering maintains and develops the national transmission grid and international connections. Elering controls the Estonian electricity system in real time, ensuring the operation of the transmission network, and the balance between production and consumption.

**About ProCom GmbH**

ProCom GmbH has been providing sophisticated solutions for planning tasks in the energy industry since 1995. On the basis of the IT-platform BoFiT the software and consulting company supports customers from energy generation and trade in the transparent planning and effective optimisation of their business processes to make reliably right decisions.