

## LOAD PROFILES AND LONG-TERM LOAD PROJECTIONS FOR THE ELECTRICITY MARKET

The electricity generation market has been subject to major changes for years. As a result, attention has increasingly been drawn to the greater changes taking place on the demand side as well. Examples include the current switch from conventional light bulbs to highly efficient LEDs, shifts in industrial processes towards secondary production, the use of heat pumps and the market diffusion of electric vehicles. It is becoming more important to understand these developments and their impacts on hourly load profiles in order to succeed on the electricity market with the right trading strategies.



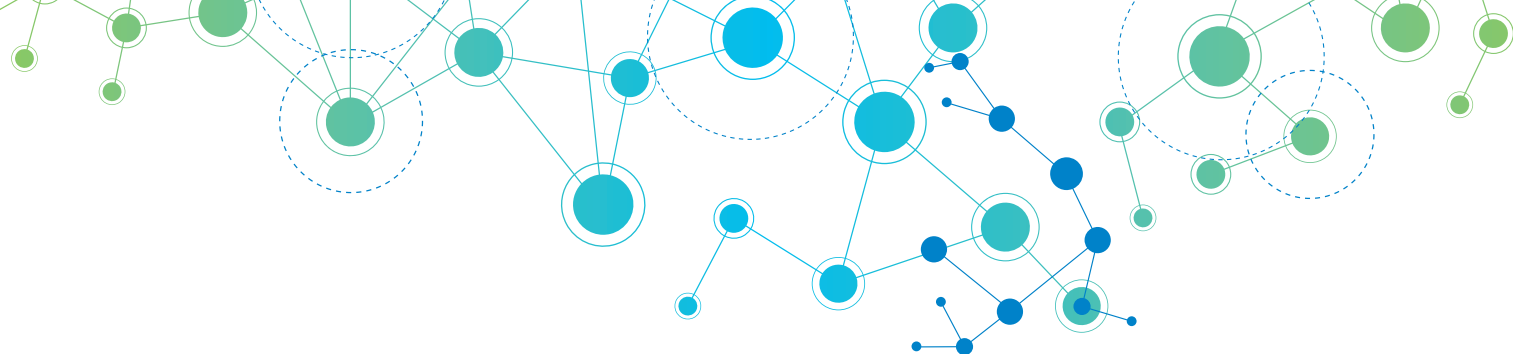
### WHAT WE DO

We work together with you to develop scenarios for the changes to your customer portfolio. With the help of the eLOAD energy model, we can supply you with the facts and figures that map demand-side market changes. We point out, for example, the influence that the expected load management of consumers or the development of efficiency technologies will have on the load profile and on peak load development. eLOAD is a unique model that simulates electricity demand on an hourly basis over the course of one year, while taking into account the influence of different load management options. The model is calibrated for 29 European countries and enables scenario calculations to be made with a long-term time horizon up to 2050.



### OUR SERVICES

- Load profile studies of individual electricity applications and customer groups, for example electric vehicles or commercial customers
- Analyses of how the modernization and efficiency programs of electricity applications influence your customer portfolio, e. g. replacement of light fittings or server cooling systems
- Long-term estimations of load curve evolution considering structural changes and DSM



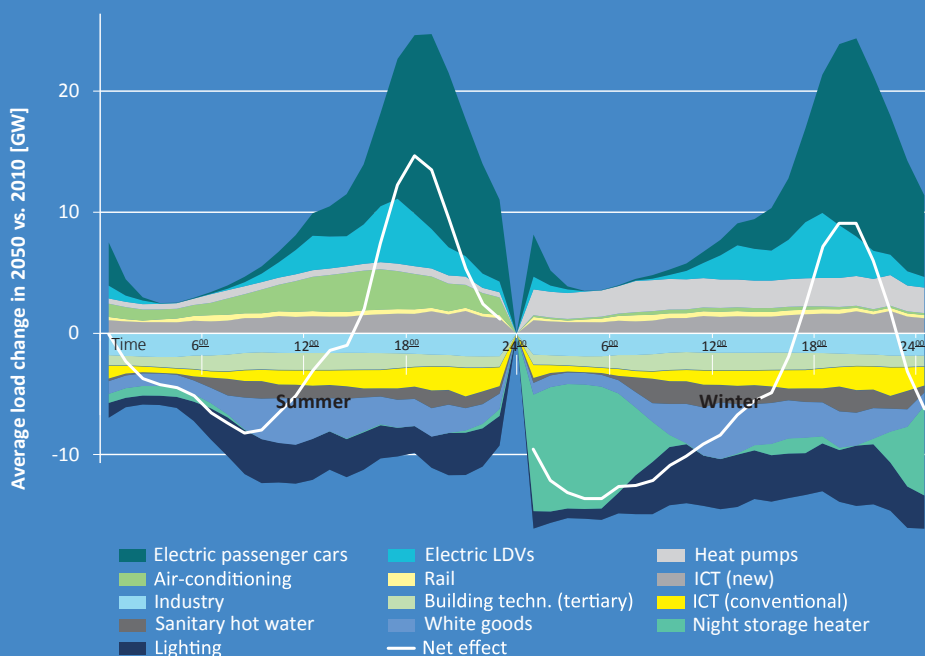
- Detailed input for your electricity market model with high temporal and regional resolution
- A second opinion for your investment strategy or when you want to develop facilities-based business segments

If you have specific questions that go beyond these issues, we can make eLOAD available for your internal use.

## **+** HOW YOU BENEFIT

The model results are based on more than 1,000 hourly load profiles of energy applications. This kind of detailed knowledge allows you to pinpoint critical changes in hourly load curves early on and prepare targeted strategy and investment decisions based on this.

Our independent experts know your markets as well as the political context – and they are familiar with the dynamics of international markets.



Weekday-specific load changes depending on the outside temperature in summer and winter between the years 2010 and 2050.

Get more information here  
[www.forecast-model.eu](http://www.forecast-model.eu)



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