



# China: Visit from China's State Grid to the Danish Energy Agency

A number of representatives from the national power grid company State Grid visited Denmark during week 44 to learn from Danish experiences with the possibilities to integrate electricity in district heating.



Denmark has many years' of experience adapting the energy sector to alternative energy sources, while China in these years expands massively with wind turbines and also extends the cities due to a large migration into the cities. As a consequence, the district heating system must also be extended. The Chinese authorities and State Grid thus shows interest in learning about the possibilities to use electricity in Beijing's district heating system to be able to reduce the air pollution and help integrating the increasing amounts wind power.

Six representatives, responsible within both construction and operation of the Grid for the Beijing area, came to Copenhagen the 27<sup>th</sup>-30<sup>th</sup> of October to gain knowledge of how electric heating and energy savings are achieved in Denmark. The head of delegation was Mr. Zhang Chuncheng, Director of Enterprises Development Department from the head office in Beijing who is a key figure in the future development of the energy grid in Beijing. The delegation followed representatives from Danish DONG Energy and among others visited Kalundborg to see a second generation biofuel facility *Inbicon* that produces biofuel from Kalundborg municipality's waste and biomass from agriculture, industry and households.

The delegation visited the Danish Energy Agency to gain information about the development of the Danish energy sector; from the 1980'es heat planning with investments in combined heat and power to generation of both heat and power and the conversion of electric heating to district heating and natural gas. Moreover the delegation was informed about the further development with wind power in the Danish energy sector and the future plans of

integrating even more wind into the energy sector. Following from this, experiences was also passed on about how heat pumps and use of electricity for district heating can contribute to the integration of large shares of wind power.

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