



Future Power System in Denmark

På dansk – se bagsiden.

The autumn semester 2014 offers an elective and special course with the title "Future Power System in Denmark".

The aim of the course is to provide the electrical power engineer student an insight in the challenges the Danish electricity companies are facing, both with regards to design and building new infrastructure and system operation. The future is expected to offer much more electricity produced by various renewable energy sources such as wind and sun, but also new electricity consumption e.g. electric vehicles, will challenge the existing system. It is these kinds of challenges the course will take its starting point.

The course will be in English. By special arrangement Danish students may be allowed to make their presentation in Danish e.g. at the final individual examination.

Behind the course is *EnergyMinds** and Denmark's five educational institutions within electrical power:
Aalborg University, Aarhus School of Engineering, University of Southern Denmark, Copenhagen University College of Engineering, and Technical University of Denmark.

The course is offered at all five educational institutions and is run as a single course.

The Conferences

You will hear decision makers and specialists from the Danish electricity companies talk about the challenges of the future. You will also hear how the electricity companies have solved other challenges in the power system earlier – and you will get plenty of opportunity to put forward questions.

The dates for the start-up, mid term and final conferences are already fixed, if you expect to attend the course, we recommend that you reserve the following dates; Thursday and Friday August 28th and 29th, Wednesday September 17th and Wednesday December 3th.

Team Work

Together with your co-students, in teams of 3-6 students, you will elect an issue which you have identified within the theme of the course. Together in the team, you will analyse the issue and produce a report. Finally, there will be an oral examination, in which each of you will defend your work.

The formation of the team will be within the same educational institution. It will therefore be co-students from your own institution you will team up with. Each team will be assigned an external supervisor from an electricity company situated in the proximity of the educational institution you are attached to.

Professional and social network

During the course you will meet and talk with both decision makers and specialists from the electricity companies. You will also meet other students from the other educational institutions in Denmark. You all have in common the interest for electrical power engineering.

– You've Got The Power!

Read more about the course in the course description.



**EnergyMinds* is the joint educational contribution of the Danish electrical companies. Behind *EnergyMinds* are the Danish Energy Association and Energinet.dk (TSO)