



ELECTRIC TRANSMISSION AND DISTRIBUTION FOR THE FUTURE - Module I

Online

12. - 16. June 2023

The large-scale introduction of intermittent renewable energy sources, connected to the electricity grid through power converters, changes the dynamics of said grid and how it must be planned and operated.

This course aims at giving the students the necessary competence for them to meet this new challenge. The course is based on four modules, each focusing on specific aspects that are important for an efficient electricity grid. .



Learning Goals:

After the course the students should:

- understand the basic elements of modern transmission and distribution grids.
- understand how modern transmission-/ distribution-grids work and operate
- know the actors and their role in the power sector.
- know the environmental and social implications of transmission-/ distribution grids.
- understand the importance of the grid for the electricity market



Target groups:

Middle and high management in TSO's, distribution companies, and vertically integrated energy companies with technical background/education.



Course content:

The course is structured around these four themes:

- 1** The fundamental functioning of modern transmission and distribution grids.
- 2** Organisation and operation of electricity grids - the role of actors.
- 3** Socioenvironmental considerations.
- 4** The importance of the grid for the well functioning of energy markets.



Course fee 500 USD

Please apply for Norad-funding in our web-portal.



Course details:

- 3-4 hour's online sessions over 5 days.
- The course and all its activities will be carried out online.
- Course attendance and the submission of the assignments are prerequisites for obtaining the ICH Course Certificate.
- **Course name:**
202305 ELECTRICITY TRANSMISSION AND DISTRIBUTION FOR THE FUTURE

Application deadline:
15. May 2023

Candidates must duly complete the application form found in this link:
<https://form.ich.no/>



For more information, please contact:

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