TRAINING COURSE ON OVERHEAD LINES

When end users demand more power, it is necessary to increase the transmission capacity of existing power links or build new high voltage power links. As an expert player in this field and involved in numerous projects every year, DNV GL offers this training course on Overhead Lines (OHL). The course provides a high level of insight and knowledge to overhead line design, covering all aspects of the latest technologies involved – electrical, mechanical, structural and civil.

**Course summary**
The OHL training course covers electrical, mechanical, structural and civil aspects with respect to the design of overhead lines. Electrical aspects include insulation coordination, earthing, EMF and EMC. Tower types and tower families and structural aspects such as tower strength and stiffness are addressed, as well as foundation design, insulators and different conductor types and their behavior under climatic loading.

**For whom?**
This course is designed for anyone who is or will be involved in overhead lines in the course of their daily work. It is recommended - but not a requirement - that the participants have at least a Bachelor of Engineering degree or some prior knowledge of designing overhead lines.
Course outline

Day 1
- Introduction
- Tower types and tower families
- Tower loadings and tower design
- Insulation coordination
- Lightning performance

Day 2
- Foundations
- Earthing
- Conductors
- Insulators and surge arresters
- EMF & EMC

Your benefits
This course provides participants with up-to-date information on
the design of overhead lines, including tower design, electrical
and mechanical aspects.

Practical information

Registration
For the following items, please refer to the registration form:
- Course date
- Venue details
- Registration fee
- Payment & cancellation conditions
- Hotel accommodation

To encourage active participation, the number of participants is
limited to 20. The course(s) may be cancelled or rescheduled if
there are insufficient participants. The registration fee includes
course materials, lunches and refreshments and dinner on the
first course day. The costs of travel and accommodation are not
included. Hotel accommodation can be arranged through us, but
payment must be made directly to the hotel.

Language
The course and course materials are available in English.

Course material
All participants will be provided with a USB flash drive,
containing all the slides presented during the training.
Participants will also receive a Record of Completion.

For more information and to register, please visit:
www.dnvgl.com/OHL-course.

ABOUT DNV GL

DNV GL is the independent expert in risk management and quality
assurance, operating in more than 100 countries. Through its
broad experience and deep expertise DNV GL advances safety and
sustainable performance, sets industry benchmarks, and inspires
and invents solutions.

Driven by its purpose, to safeguard life, property, and the
environment, DNV GL helps tackle the challenges and global
transformations facing its customers and the world today and is a
trusted voice for many of the world’s most successful and forward-
thinking companies.

In the power and renewables industry
DNV GL delivers advisory, certification and testing services to
stakeholders in the energy value chain. Our expertise spans energy
markets and regulations, onshore and offshore wind and solar
power generation, power transmission and distribution grids,
energy storage and sustainable energy use. Our experts support
customers around the globe in delivering a safe, reliable, efficient,
and sustainable energy supply.

For more information:
Energy Academy
email: academy.energy@dnvgl.com
web: www.dnvgl.com/energy-academy
tel: +31 (0)6 29602659 / +31 (0)6 15063593 / +31 (0)6 18410601