

HVDC technologies



OBJECTIVE

- Understand High Voltage Direct Current (HVDC) technology and existing applications, market drivers and operational considerations.
- Analyse the related considerations including interaction with AC systems, modelling considerations, controls and economic project justification.



AUDIENCE

Engineers and technicians involved in the planning, engineering, specification and operation of power transmission systems.



CONTENT

- HVDC transmission market drivers and benefits
- HVDC technologies Line Commutated Converter(LCC), Voltage Source Converter (VSC)
- HVDC configurations:
 - Monopole, Bipole and symmetrical monopole
 - Underground, submarine and hybrid
- HVDC design considerations including:
 - Harmonics and filters (LLC)
 - Reactive power
 - Short Circuit Ratio (SCR) considerations
- HVDC equipment (DC and AC, cables) and applications
- HVDC controls and models for planning and specification studies
- Future trends and challenges

LIVE ONLINE TRAINING

Duration: 18 hours

More information and registration here:

<https://bit.ly/HitachiGridAcademy>