

Scandinavian Academy
Training Center

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Riyadh - Al Khaleej District - Sheikh Abdul Aziz Bin Abdul Rahman Bin Bishr Street - 13223 - Office No. 5 | P.O.BOX : 13224

Course: Maintenance & Protection of Transformer Stations

Code	City	hotel	Start	End	price	Language - Hours
EE-754SA	Dammam	Hotel Meeting Room	2027-05-16	2027-05-20	12950 SR	En - 25

Objective

- Understand transformer theory
- Tests power transformer
- Understand type of transformer
- transformer cooling systems
- Understand transformer protection procedures

Who should Attend

- Electric power engineers.
- Supervisors and qualified technicians

Outline

Introduction:

- Terminal and Neutral Point Winding Rating
- Losses And No-Load Testing
- Temperature Rise
- Insulation Connections Tapping

Transformer Theory:

- Constructional Features

- Transformer Tests
- Transformer Performance
- Three-Phase Transformer
- Other Transformer Types

Testing Power Transformer

Transformer Cooling Systems

Transformer Oil

Transformer Protection:

Transformer Faults

Winding Connection And Earthing Effects

Star Winding

Delta Winding

Gas and Oil Surge Protection

Over-current and Earth Fault

Tank Leakage Protection

Typical Protection Schemes

The Scandinavian Academy for Training Center adopts the latest scientific and professional methodologies in training and human resource development, aiming to enhance the efficiency of individuals and organizations. Training programs are delivered through a comprehensive approach that includes:

- Theoretical lectures supported by PowerPoint presentations and visual materials (videos and short films).
- Scientific evaluation of participants before and after the program to measure progress and knowledge acquisition.
- Brainstorming sessions and practical role-playing to simulate real-life scenarios.
- Case studies tailored to align with the training content and participants work nature.
- Assessment tests conducted at the end of the program to evaluate the achievement of training objectives.

Each participant receives the training material (both theoretical and practical) in printed form and saved on a CD or flash drive. Detailed reports, including attendance records, final results, and overall program evaluations, are also provided.

Training materials are prepared professionally by a team of experts and specialists in various fields. At the end of the program, participants are awarded a professional attendance certificate, signed and accredited by the Scandinavian Academy for Training Center.

Program Timings: 9:00 AM to 2:00 PM

The program includes:

- A daily buffet provided during the sessions to ensure participants comfort.
- A closing ceremony on the final day to distribute certificates and celebrate participants achievements.
- **Note: All prices are exclusive of 15% Value Added Tax (VAT).**

Our Success Partners

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