

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: Solar Energy Projects Management

Code	City	hotel	Start	End	price	Language - Hours
EE-186SA	Riyadh	Hotel Meeting Room	2027-09-19	2027-09-23	12950 SR	En - 25

Training course Overview:

Renewable energy in general and solar energy in particular have a wide global interest in the attractive characteristics of its use and its integration into modern electrical networks. This course aims to make the participant aware of the solar energy systems and their components, and is able to properly plan and manage the solar energy projects. The participant will be aware of the advantages of using renewable energy to feed off-grid loads.

Training course Outcomes:

- Understanding solar energy systems
- Understand the difference between grid-on and grid-off solar systems.
- Knowledge of the effect of using large scale solar systems
- The incentives provided by countries to support solar energy and how to benefit from it
- Review the factors influencing the success of the project financially
- Identify the skills needed to manage solar projects

Who should attend:

- Electrical Engineers
- Directors of energy companies
- Financial Managers of Energy Projects
- The academics
- R & D staff

Course Outline

Introduction to Solar Energy

- Overview of solar energy technologies (PV, CSP, etc.)
- Current trends and future outlook in solar energy

Project Planning and Feasibility Studies

- Site selection and assessment
- Solar resource assessment and measurement techniques
- Feasibility study components and methodology

Financial Analysis and Economic Considerations

- Cost estimation and financial modeling
- Project financing options and structures
- Economic evaluation and ROI analysis

Regulatory Framework and Compliance

- Overview of regulatory requirements and standards
- Permitting processes and environmental assessments
- Legal and contractual considerations

Risk Management in Solar Projects

- Risk identification and assessment techniques
- Risk mitigation strategies
- Case studies of risk management in solar projects

Project Execution and Management

- Project lifecycle and phases
- Scheduling, resource planning, and logistics
- Quality control and assurance in solar projects

Performance Monitoring and Evaluation

- Monitoring technologies and techniques
- Performance data analysis and reporting
- Maintenance strategies and optimization

Sustainability and Environmental Impact

- Environmental impact assessment
- Sustainability practices in solar project management
- Community engagement and social responsibility

Case Studies and Best Practices

- Analysis of successful solar projects
- Lessons learned and best practices
- Group discussions and project simulations

Capstone Project

- Real-world project simulation
- Team presentations and feedback
- Integration of course knowledge and skills

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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