



SCANDINAVIAN ACADEMY
Training and Development

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Course: Solar Energy Projects Management

Code	City	Hotel	Start	End	Price	Language - Hours
186	Muscat (Oman)	Hotel Meeting Room	2025-01-26	2025-01-30	3950 €	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 and Development employs modern methods in training and skills development, enhancing the efficiency of human resource development. We follow these practices:

• **Theoretical Lectures:**

- We deliver knowledge through advanced presentations such as PowerPoint and visual materials, including videos and short films.

• **Scientific Assessment:**

- We evaluate trainees skills before and after the course to ensure their progress.

• **Brainstorming and Interaction:**

- We encourage active participation through brainstorming sessions and applying concepts through role play.

• **Practical Cases:**

- We provide practical cases that align with the scientific content and the participants specific needs.

• **Examinations:**

- Tests are conducted at the end of the program to assess knowledge retention.

• **Educational Materials:**

- We provide both printed and digital scientific and practical materials to participants.

• **Attendance and Final Result Reports:**

- We prepare detailed attendance reports for participants and offer a comprehensive program evaluation.

• **Professionals and Experts:**

- The programs scientific content is prepared by the best professors and trainers in various fields.

• **Professional Completion Certificate:**

- Participants receive a professional completion certificate issued by the Scandinavian Academy for Training and Development in the Kingdom of Sweden, with the option for international authentication.

• **Program Timings:**

- Training programs are held from 10:00 AM to 2:00 PM and include coffee break sessions during lectures.