



## Certificate Number: [AC-3023-32251963](#)

This is to certify that the management of Alison awarded Jens Torsten Trach the certificate of completion in Diploma in Solar Energy Engineering under the category Engineering & Construction on 16th September 2023.

Validation: You can check authenticity of this certificate by visiting the following link:  
<https://alison.com/certification/check/8fb4d9a06a>

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## Certificate Details

Diploma in Solar Energy Engineering

[Score: 99]

## Course Details

This course introduces you to the field of solar energy engineering and reveals some of the basic techniques and measures adopted by solar scientists and engineers to gauge and capture solar radiation. Begin by exploring the need for, and importance of, renewable energy sources in today's world and the global focus on solar energy. Learn about the nature of solar radiation, how it reaches the earth and the different ways it can be used. This section includes the employment of different instruments and devices for capturing and storing solar radiation, both in thermal and electrical forms. While you gain a basic understanding of how solar PV generators and solar power plants work, you will see how solar equipment designers predict and estimate the amount of solar energy available and the challenges they face. Learn about the empirical equations and correlations that relate the values of radiation (global or diffused), with meteorological parameters like sunshine hours, cloud cover and precipitation.

*Maeve Richardson*

Director of Certification





# Alison

## Academic Transcript

### Modules Studied

Introduction to Solar Energy

Solar Radiation Geometry

Solar Radiation Estimation

Diploma in Solar Energy Engineering - First Course assessment

Fundamentals of Photovoltaic Systems

Standalone Photovoltaic Systems

Grid-Connected PV System

Diploma in Solar Energy Engineering - Second Course assessment

Course assessment

*Maeve Richardson*

Director of Certification

