

The Energy Transition in a Day

risks and uncertainties for an industry at the crossroads

This course examines the cross disciplinary challenges faced by the Energy Transition and the move to a zero carbon emission society.

There are historical examples of entire industrial sectors facing decline and transformation. In such periods, some companies within the affected sectors have adapted or diversified to survive. Many exploration and production companies are still hesitant to embrace the challenge without understanding and quantifying the associated risks and uncertainties of the transition.

This one-day course will explore perceptions, misperceptions, solutions, and innovations that the energy industry is developing to navigate the current disruptive process.

At-scale projects in renewable energy pose challenges at various stages of the development that threaten their viability. Choice of scale and type of energy resource will depend on location, infrastructure, legislation, societal acceptance, market developments and affordability.

Course Content

In five steps, we will cover the fundamentals, discuss financial models, and address above- and below-ground risks.

- Transition fundamentals "The nature of the beast"
- Commercial / Finance
- Engineering the Transition "Components and Vagaries" of Renewables
- The subsurface CCS, Geothermal, Hydrogen
- Engineering the Transition "Strategies"

Course Cost

Price per delegate (cost includes course materials):

£300 for 1 delegate

£250/each for more than 1 delegate from same company

When

Specific days to be confirmed.

Contact

For any queries or to add you name to the list of participants please contact the training team at training@tracs.com

Duration

Full day 1 day

This course is open to individuals and is online as virtual instructor led (vILT).

Learning Level

Skills ○○○
Knowledge ●●○
Awareness ●●●

Designed for:

Anyone wanting a high-level overview of the overall Energy Transition and a broad understanding of how it all fits together.



Course Tutors



Arndt Peterhänsel PhD
Geoscientist, Head of Training at TRACS
Arndt develops and runs courses in the E&P Overview, Reservoir, and Open Air series. He has a career background at University of Cambridge, Universität Potsdam, Saudi Aramco, Lukoil and TRACS. Arndt is a technical author, Global Head of Training (TRACS).



Jerry Hadwin BSc, MEng
Geothermal & CCS, Reservoir Engineer
Jerry mainly tutors courses in the Reservoir, Early Development, and Open Air Series. He has a career background at Shell, TRACS and AGR. Jerry is co-author of 'Adventure Trekking in Oman'.



Angus McPhail MSc (Stirling et Surrey), PG Cert LT, FHEA, ASIP
Business Analysis & Finance, Economics Legal & Regulatory
Angus is a tutor of courses in the Business & Risk series. He has a career background ING N.V., Investec Plc, Alliance Trust Plc, and Standard & Poor's. Angus is a Teaching Fellow and Lecturer in Finance at University of Stirling.

