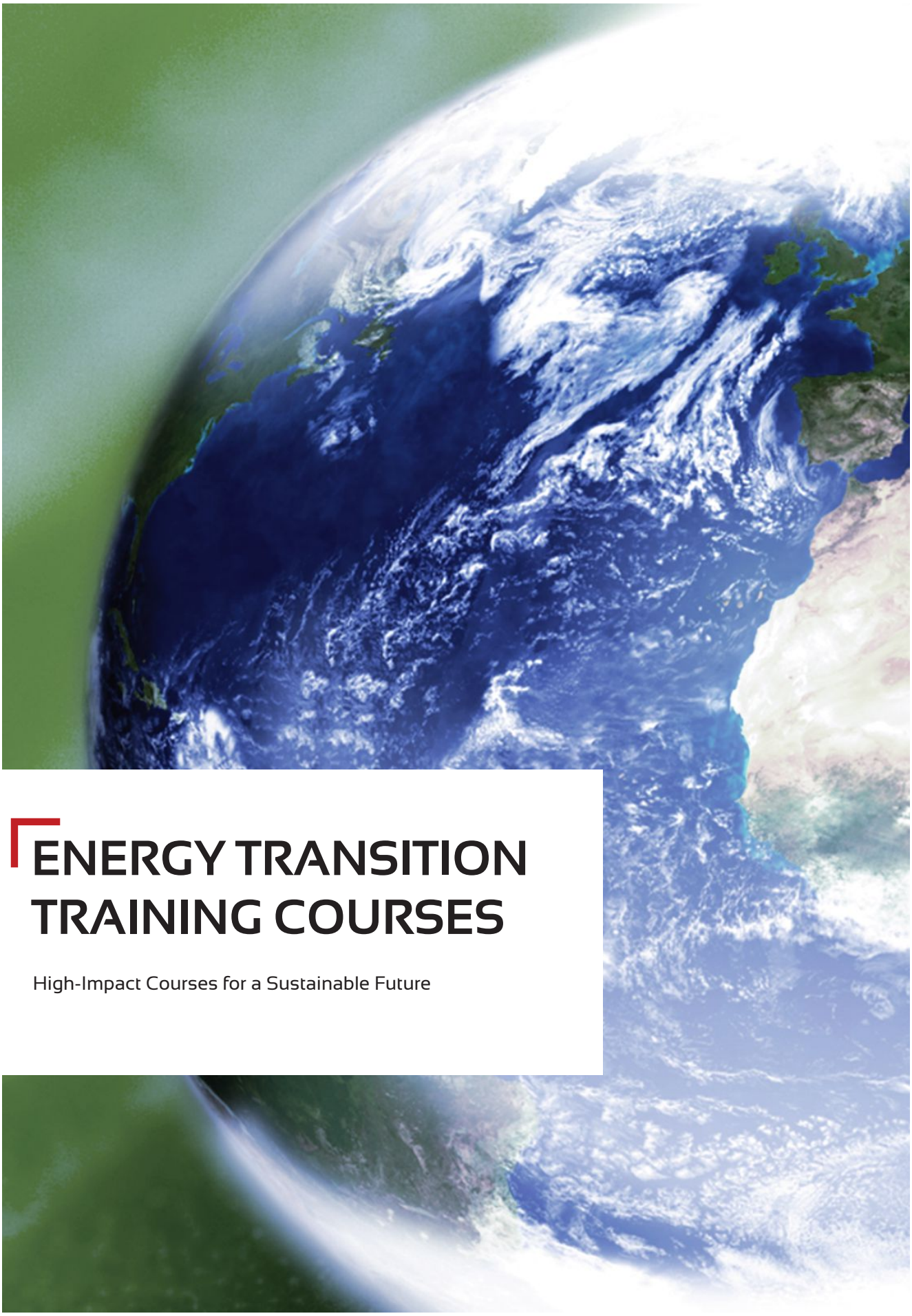
HOT



ENERGY TRANSITION TRAINING COURSES

High-Impact Courses for a Sustainable Future

ENERGY TRANSITION TRAINING – UNLOCK THE FUTURE

READY TO BE AT THE FOREFRONT OF THE GLOBAL ENERGY REVOLUTION?

Join our HOT courses on energy transition and contribute to a sustainable future! Experience immersive learning, dive into real-world case studies and gain the expertise needed to tackle today's industry challenges.

Business Development for Subsurface Decarbonisation Projects (PBM45 / PBM945)

Available In-House

Upstream organisations seem to be ideally prepared to engage in subsurface decarbonisation ventures like geothermal and the storage of CO2. The safe and cost-efficient delivery of these projects is likely to become a critical element for the future competitiveness of E&P companies. This course highlights the case for change, criteria for successful business development projects and a range of medium-term scenarios for these business segments.

Duration: 3 days | **Delivery Mode**: Online or classroom

Fundamentals of Renewable Energy Engineering (BACRENO1LIC1)

E-Learning: 24/7 Access

This extensive e-learning course covers all the fundamental concepts and operation of renewable energy generation systems that may be used in energy transition scenarios to achieve net zero targets. It provides a solid and comprehensive foundation about renewable energy engineering practices. IChemE-accredited course (35 CPD hours).

Duration: 5 days | **Delivery Mode**: E-Learning

Carbonate Reservoir Characterisation & Modelling for the Energy Transition (RES62 / RES962)

Available In-House

This interdisciplinary course integrates modern reservoir modelling and reservoir engineering concepts to address and overcome the key challenges encountered when creating meaningful static and dynamic reservoir models of (fractured) carbonate reservoirs across a range of subsurface reservoir applications that support the transition to a sustainable low-carbon energy future.

Duration: 5 days | **Delivery Mode**: Online or classroom

Naturally Fractured Reservoir Modelling and Simulation for the Energy Transition (RES61 / RES961)

Available In-House

This course addresses key concepts and challenges encountered when modelling and simulating naturally fractured reservoirs and provides practical guidelines for creating meaningful reservoir simulation models that support the transition to a sustainable low-carbon energy future.

Duration: 5 days | **Delivery Mode**: Online or classroom

Integration of Oil & Gas Infrastructure for the Energy Transition (FAC14 / FAC914)

Available In-House

Various new energy carriers and concepts for net-zero emissions are being developed in parallel to the ongoing operation of our industries and transportation sectors. This course provides insights into the currently emerging technologies, changing legal boundaries and the potential of the existing oil and gas infrastructure to accommodate these developments.

Duration: 2 days (Classroom); 4 days (Online) | **Delivery Mode**: Online or classroom

Petrophysics for Geothermal Applications (PPH940)

June 2024
Online

This course provides a practical guide of how to use and interpret well logs measured in the vicinity of planned geothermal sites to reduce uncertainties when assessing the feasibility of geothermal energy utilisation. This hands-on course is result-oriented and particularly beneficial for professionals who want to make meaningful petrophysical assessments for their geothermal challenge.

Duration: 2 days | **Delivery Mode**: Online

Geothermal Drilling Technology (DRI13 / DRI913)

6-8 May 2024
Vienna, Austria

Gain a comprehensive understanding of the technology and engineering required to successfully design and execute geothermal wells. It covers basic drilling principles analysed from the point of view of a geothermal developer. The geothermal aspects of drilling processes and how they affect the well plan, well construction and overall budget are also presented.

Duration: 3 days | **Delivery Mode**: Online or classroom

Geothermal Engineering (REN02 / REN902)

4-6 Dec 2023
1-5 Jul 2024
Vienna, Austria

Learn about all aspects and scales of geothermal use, from preliminary resource assessment to project implementation. The course will build up the delegates' knowledge and understanding of geothermal technologies, their current level of maturity and international uptake.

Duration: 5 days (Classroom); 3 days (Online) | **Delivery Mode**: Online or classroom

CCS for Reservoir Engineers (RES75)

Available In-House

Carbon Capture and Sequestration (CCS) will play a critical role in the portfolio of energy companies to meet climate goals and reach net-zero by 2050. The objective of this course is to discuss and present the required reservoir engineering skills for safe and effective storage of CO2 in the subsurface geologic formations.

Duration: 4 days | **Delivery Mode:** Online or classroom

Geological Storage of CO2: Pick the Right Reservoir (RES71 / RES971)

6-10 Nov 2023
3-7 Jun 2024
Vienna, Austria

This course addresses essential questions for a CO2 storage project by using historical practices developed in the oil and gas industry and by adapting engineering design concepts to the CO2 storage task.

Duration: 5 days | **Delivery Mode**: Online or classroom

Subsurface CO2 Sequestration (RES73)

Available In-House

This course will develop your understanding of the fundamentals of subsurface CO2 sequestration or CO2 storage in saline aquifers, depleted or producing hydrocarbon reservoirs and methane coalbed seams. It provides scientific principles and mathematical tools to help in the design and selection of subsurface CO2 sequestration projects.

Duration: 5 days | **Delivery Mode**: Online or classroom

Green Hydrogen (REN904)

Available In-House

This course explains the demands, processes and applications of hydrogen in general and green hydrogen in particular as a natural part in the energy revolution. Participants will emerge with a clear understanding of the use, limitations and economics around green hydrogen.

Duration: 2 days | **Delivery Mode**: Online

Underground Hydrogen Storage – Storage Principles and Operations (REN05)

Available In-House

Hydrogen is expected to take a leading role in a renewable energy system. This course deals with the current state of the art of underground gas storage, with the special fluid properties of hydrogen and the existing experience in the field. Also, special attention will be given to policies and regulations for safe operations of underground gas (and hydrogen) storage.

Duration: 3 days | **Delivery Mode**: Online or classroom

THE WAY TO YOUR ENERGY TRANSITION TRAINING

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