



The Energy Transition for Business

Designed for:

This course is relevant for policymakers, financial analysts, and investors. Participants would obtain an understanding of the politics, capital allocation and cost implications arising from the Energy Transition.

Duration (days)



1 2 3

Learning Level:



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

This course provides a holistic overview of the challenges and opportunities presented by the global energy transition. It should be of interest to those who wish to see a cleaner more equitable future for mankind given the obvious challenges facing earth's ecosystem currently.

This multifaced subject covers the history of previous transitions, through to key political and governance issues. The role of the resources industry and key cost drivers therein are examined.





The course contains a mixture of formal teaching, group tasks including an energy transition game* and final presentation. An authentic learning environment is provided to help learners link theory with practice. This is also achieved by introducing a number of country case studies and informal discussions throughout.

**The Energy Transition Game*

This 5-6-hour game mimics the changes decision makers face in the transition from fossil fuels to renewable energy. Each player takes a different role within a complex energy system. Each role has different responsibilities and decisions to make. These roles include energy producers, providers, technology start ups and the Ministry of Energy. The benefits of this game include experience and understanding of the complexity posed by the energy transition. Exploring transition strategies as well as learning how to navigate through the challenges of the energy transition. Learn how to foster and integrate both technological and social energy innovations.

The Energy Transition Game designed by the Centre for Systems Solutions, Poland.

Early Development	Business & Risk
E&P Overview	Open Air
Reservoir	Coaching
Wells	Master Class



The Energy Transition for Business continued

Course Content:

The course covers all aspects of the Energy Transition including:

- History of energy transitions.
- Ecosystems on earth.
- Politics of transitions and governance.
- Destabilisation and phase out: China, Germany and USA case studies.
- The role of the resources industry – oil and mining
- Cost drivers: wind, water, solar and hydrogen.
- Urban transportation
- The hydrogen economy.
- Practical sessions including groupwork, presentations and the Energy Transition Game.

Course Duration:

Duration is 3 days.

Courses available from this series:

Strategy & Performance Management
Petroleum Economics
Oil and Gas Business Decisions
Risk Analysis
Petroleum Economics and Risk Analysis
Oil and Gas Risk Management
E&P Business Simulation (Panacea)
Asset Trading Game
Petroleum Risk and Portfolio Management
The Energy Transition for Business

Course Tutors



Angus McPhail MSc (Stirling et Surrey), PGCertLT, FHEA, ASIP

Main series Tutoring: Business & Risk

Industry Experience: Over 20 years, Business Analysis & Finance, Economics

Career background: ING N.V, Investec Plc, Alliance Trust Plc, and Standard & Poor's

Personal: Teaching Fellow/Lecturer in Finance at University of Stirling