

Applied Deep-Water Sedimentology and Stratigraphy

Düsseldorf (Germany)

14 - 18 July 2025

UK Traininig

PARTNER



Applied Deep-Water Sedimentology and Stratigraphy

Code: OG28 From: 14 - 18 July 2025 City: Düsseldorf (Germany) Fees: 4900 Pound

Introduction

This course provides an in-depth exploration of the latest advancements in deep-water sedimentology and stratigraphy, with a focus on practical applications for the energy, mining, and environmental sectors. Participants will gain a comprehensive understanding of the processes, products, and implications of deep-water depositional systems, equipping them with the knowledge and tools to effectively explore, develop, and manage resources in these complex geological settings.

Objectives

- Demonstrate a thorough understanding of the key principles and concepts underpinning deep-water sedimentology and stratigraphy.
- Analyze and interpret the sedimentary facies, architectural elements, and depositional environments associated with deep-water depositional systems.
- Integrate deep-water sedimentological and stratigraphic data with other geological, geophysical, and engineering information to develop robust exploration and development models.
- Apply advanced techniques and technologies, such as seismic interpretation, core analysis, and numerical modeling, to characterize deep-water reservoirs and depositional systems.
- Recognize and mitigate the unique challenges and risks associated with deep-water exploration and development projects.
- Effectively communicate deep-water sedimentological and stratigraphic concepts to multidisciplinary teams and stakeholders.

Course Outline

Day 1: Introduction to Deep-Water Sedimentology and Stratigraphy

- Overview of deep-water depositional environments and processes.
- Tectonic and paleoceanographic controls on deep-water sedimentation.
- Principles of deep-water facies analysis and architectural element recognition.

Day 2: Deep-Water Clastic Depositional Systems

- Turbidity currents and associated deposits e.g., turbidites, debris flows, hybrid beds.
- Submarine fans and their stratigraphic evolution.
- Channel-levee complexes, crevasse splays, and overbank deposits.

Day 3: Deep-Water Carbonate Depositional Systems

- Carbonate factory and platform-to-basin transitions.



- Slope and basin-floor carbonate depositional processes and facies.
- Contourite drifts, bottom currents, and associated deposits.

Day 4: Integrating Deep-Water Data and Interpretations

- Seismic facies analysis and seismic geomorphology.
- Core analysis, well logs, and integrated reservoir characterization.
- Numerical modeling of deep-water depositional systems.

Day 5: Applications and Case Studies

- Exploration and development of deep-water hydrocarbon reservoirs.
- Deep-sea mining and seafloor massive sulfide deposits.
- Deep-water environmental monitoring and habitat assessment.



Blackbird Training Cities

Europe



Malaga (Spain)



Sarajevo (Bosnia and Herzegovina)



Oporto (Portugal)



Glasgow (Scotland)



Edinburgh (UK)



Oslo (Norway)



Anney (France)



Bordeaux (France)



Copenhagen (Denmark)



Birmingham (UK)



Lyon (France)



Moscow (Russia)



Stockholm (Sweden)
(Netherlands)



Podgorica (Montenegro)



Batumi (Georgia)



London (UK)



Istanbul (Turkey)



Amsterdam



Düsseldorf (Germany)



Paris (France)



Barcelona (Spain)



Munich (Germany)



Geneva (Switzerland)



Prague (Czech)



Vienna (Austria)



Rome (Italy)



Brussels (Belgium)



Madrid (Spain)



Berlin (Germany)



Lisbon (Portugal)



Zurich (Switzerland)



Manchester (UK)



Milan (Italy)



Blackbird Training Cities

USA & Canada



Los Angeles (USA)



Orlando, Florida (USA)



Online



Phoenix, Arizona (USA)



Houston, Texas (USA)



Boston, MA (USA)



Washington (USA)



Miami, Florida (USA)



New York City (USA)



Seattle, Washington (USA)



Washington DC (USA)



In House



Jersey, New Jersey (USA)



Toronto (Canada)

Africa



Baku (Azerbaijan)
(Thailand)



Maldives (Maldives)



Doha (Qatar)



Manila (Philippines)



Bali (Indonesia)



Bangkok



Beijing (China)



Singapore (Singapore)



Sydney (Australia)



Tokyo (Japan)



Jeddah (KSA)



Riyadh (KSA)



Dubai (UAE)



Kuala Lumpur (Malaysia)



Kuwait City (Kuwait)



Pulau Ujong (Singapore)



Jakarta (Indonesia)



Amman (Jordan)



Beirut (Lebanon)



Blackbird Training Cities

Asia



Kigali (Rwanda)



Cape Town (South Africa)



Accra (Ghana)



Lagos (Nigeria)



Marrakesh (Morocco)



Nairobi (Kenya)



Zanzibar (Tanzania)



Tangier (Morocco)



Cairo (Egypt)



Sharm El-Sheikh (Egypt)



Casablanca (Morocco)



Tunis (Tunisia)



Blackbird Training Clients



UK Training
PARTNER



Blackbird Training Categories

Management & Admin

Professional Skills
Finance, Accounting, Budgeting
Media & Public Relations
Project Management
Human Resources
Audit & Quality Assurance
Marketing, Sales, Customer Service
Secretary & Admin
Supply Chain & Logistics
Management & Leadership
Agile and Elevation

Technical Courses

Hospital Management
Public Sector
Special Workshops
Oil & Gas Engineering
Telecom Engineering
IT & IT Engineering
Health & Safety
Law and Contract Management
Customs & Safety
Aviation
C-Suite Training



BLACKBIRD
FOR TRAINING



International House 185 Tower Bridge
Road London SE1 2UF United Kingdom



+44 7401 1773 35
+44 7480 775526



Sales@blackbird-training.com



www.blackbird-training.com

UK Training

PARTNER

