



TRAINING 

CAPABILITY DEVELOPMENT
FOR THE ENERGY SECTOR

IN-HOUSE TRAINING

DEVELOPING HIGH PERFORMANCE
TECHNICAL TEAMS THROUGH
TAILORED TRAINING EVENTS



DIVERSIFYING OUR PORTFOLIO TO SUPPORT THE DRIVE TO NET-ZERO CARBON...

Our portfolio, offered at all experience levels, covers the entire breadth and depth of the energy mix. Our faculty of independent expert instructors come from a wide variety of technical background and regional experience that allows Tetra Tech RPS Energy to bring world class expertise to address your skills and training requirements.

Choose from the wide range of courses, in various subject areas and disciplines, learn best practices, and gain hands-on experience that will improve performance.

Geosciences | Multi-disciplinary
Reservoir & Production Engineering
Drilling & Well Engineering | Energy Transition

Delivered virtually, in the field, in the classroom and by self-paced e-learning



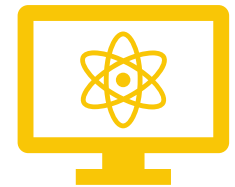
Virtual
Virtual instructor led courses timetabled to provide a globally accessible program.



Field
Field courses in the US, UK, Ireland, Spain, Greece, France and South Africa.



Classroom
Courses including core workshops and workstation based courses.



Self-paced
Flexible, competency-based on-line courses taken at individual learners own pace.



Team Focused Development

The same best in class virtual, field and classroom courses focusing on core skills development and current challenges but delivered in-house by our world class independent expert instructors for groups typically of 10 to 20 participants.

Team focused development - learning events are designed to address learning outcomes most relevant to the team in the workplace and address cross-disciplinary challenges.

Flexible content - tailored to meet client requirements. In-house courses can be:

- off the shelf versions of established courses
- customised versions of existing courses
- designed exclusively for the specific requirements of the client

Blended solutions - combinations of selected self-paced e-learning modules and instructor-led events provide efficient and effective learning packages.

Flexible locations - classroom in your office, in the field, or virtually to provide training for participants in multiple locations.

Flexible schedules - virtual courses may be delivered in continuous sessions or distributed over a longer period of time to suit operational requirements.

SELECTED FIELD COURSES

Providing energy professionals with field-based training around the globe

Subject Areas

Sedimentology and Stratigraphy
Unconventional Resources
Reservoir Development
Structure and Tectonics

Field courses are effective vehicles for development of technical topics amongst teams and with joint venture partners. Inclusion of content and data from relevant assets is strongly recommended to enhance the value of the in-field discussions.

FIELD COURSES

Sedimentology and Stratigraphy

Course	Instructors	Location	Duration*	Level
Clastic Sedimentology				
N009: Sedimentology, Stratigraphy and Reservoir Geology of Deepwater Clastic Systems	Andy Pulham	County Clare, Ireland	5 days	Skilled
N042: Reservoir Sedimentology and Stratigraphy of Coastal and Shelfal Successions: Deltas, Shorelines and Origins of Isolated Sandstones	Andy Pulham and Lee Krystinik	NW Colorado, USA	5 days	Skilled
N107: Turbidite Facies Architecture, Reservoir Applications and Predictive Stratigraphy	De Ville Wickens and David Hodgson	Karoo Basin, South Africa	5 days	Skilled
N252: Reservoir Geology of Deepwater Systems: Processes, Architecture and Reservoir Quality Analysis	Bill McCaffrey	Alps, France	5 days	Skilled
N442: Reservoir Architecture of Deepwater Systems	Rene Jonk	California, USA	5 days	Skilled
N684: Coastal and Shallow Marine Clastic Reservoir Facies	John Howell and Adrian Hartley	East Yorkshire, UK	3 days	Skilled
N751: Deep-Water Clastic Depositional Systems in a Source-to-Sink Context	Rene Jonk	Pyrenees, Spain	5 days	Skilled
Carbonate Sedimentology				
N494: Controls on Carbonate Depositional Systems and Reservoir Characterisation	Michele Morsilli	Oligo-Miocene - Apulia, Italy	5 days	Foundation
N091: Carbonate Reservoir Architecture and Applied Carbonate Sequence Stratigraphy	Art Saller	West Texas and SE New Mexico, USA	5 days	Skilled
N358: Fine-Grained Carbonate Reservoirs	Andy Gale	Étretat, Northern France	4 days	Skilled
Stratigraphy				
N011: High Resolution Sequence Stratigraphy: Reservoir Applications	Andy Pulham and Lee Krystinik	Utah, USA	5 days	Skilled

*recommended course duration

FIELD COURSES

Unconventional Resources

Course	Instructors	Location	Duration*	Level
N364: Fracture Architecture, Sedimentology and Diagenesis of Organic-rich Mudstones of Ancient Upwelling Zones with Application to Naturally Fractured Reservoirs	Richard Behl and Jon Schwalbach / Michael Gross	California, USA	5 days	Skilled
N463: Geological Drivers for Tight-Oil and Unconventional Plays in the Powder River Basin and Applications to Other Basins	Randi Martinsen and Lee Krystinik	Wyoming, USA	5 days	Skilled

Reservoir Development

Course	Instructors	Location	Duration*	Level
N033: Characterisation, Modelling, Simulation and Development Planning in Deepwater Clastic Reservoirs	Mark Bentley and Ed Stephens	Tabernas, Spain	5 days	Skilled
N108: Exploration and Geological Model Development in Fluvial Reservoirs	Gary Nichols and Philip Hirst	Pyrenees, Spain	5 days	Skilled
N310: Carbonate Reservoir Characterisation and Modelling	Mark Bentley and Richard Oxlade/Ed Stephens	Provence, France	5 days	Skilled
N386: Reservoir Model Design	Mark Bentley and Philip Ringrose	Pembrokeshire, UK	5 days	Skilled
N432: Clastic Reservoir Characterisation for Appraisal and Development	Philip Hirst and Gary Nichols	Pyrenees, Spain	5 days	Skilled

Structure and Tectonics

Course	Instructors	Location	Duration*	Level
N407: Predicting Reservoir and Petroleum Systems in Rift and Extensional Basins	Lee Krystinik	New Mexico & Colorado, USA	5 days	Skilled
N575: From Sub-Seismic Faults to Rift Basins: Exploration, Appraisal, and Production Insights	Douglas Paton	Gulf of Corinth, Greece	5 days	Skilled

*recommended course duration

SELECTED CLASSROOM COURSES

Detailed and practical training across the asset life cycle

Subject Areas

- Basin Analysis
- Sedimentology and Stratigraphy
- Geophysics & Seismic Interpretation
- Petrophysics
- Reservoir Development
- Structure and Tectonics
- Data Analytics, Economics & Risk Analysis
- Production & Reservoir Engineering
- Energy Transition
- Carbon Capture and Storage

All courses in the Tetra Tech RPS Energy Portfolio can be tailored for client requirements.

CLASSROOM COURSES

Basin Analysis

Course	Instructors	Duration*	Level
N683: Prospect Evaluation, Risks and Volumes	Jan de Jager	Classroom - 4 days	Foundation
N425: Play Analysis for Targeted Prospect Identification	Mark Thompson	Classroom - 4 days Virtual - 8 sessions**	Skilled
N598: Geochemistry, Petroleum Systems Modelling, and Charge Evaluation	Leon Dzou	Classroom - 5 days Virtual - 10 sessions**	Skilled

Sedimentology and Stratigraphy

Course	Instructors	Duration*	Level
N020: Carbonate Depositional Systems: Reservoir Sedimentology and Diagenesis	Paul Wright	Classroom - 5 days Virtual - 10 sessions**	Foundation
N155: Introduction to Clastic Depositional Systems: a Petroleum Perspective	John Howell	Classroom - 5 days Virtual - 10 sessions**	Foundation
N402: Seismic and Sequence Stratigraphy for Subsurface Exploration and Development	Pete Burgess	Classroom - 4 days Virtual - 8 sessions**	Foundation
N073: Integration of Sedimentology, Petrophysics and Seismic Interpretation for Exploration and Production of Carbonate Systems	Gregor Eberli	Classroom - 4 days Virtual - 8 sessions**	Skilled
N483: Deepwater Stratigraphy and Facies Analysis from Seismic, Well Data and Outcrops	Mike Mayall	Classroom - 3 days Virtual - 5 sessions**	Skilled

**session duration - 3-4 hours
*recommended course duration

CLASSROOM COURSES

Geophysics and Seismic Interpretation

Course	Instructors	Duration*	Level
N004: The Essentials of Rock Physics and Seismic Amplitude Interpretation	Rob Simm or Eleanor Oldham	Classroom - 4 days Virtual - 8 sessions**	Foundation
N085: The Use of Seismic Data for Subsurface Interpretation	Rachel Newrick	Classroom - 5 days Virtual - 10 sessions**	Foundation
N224: Methods for Quantifying and Communicating Uncertainty in Depth Conversion and Volumetrics	Ashley Francis	Classroom - 3 days Virtual - 5 sessions**	Skilled
N385: Quantitative Reservoir Characterization	Jaap C. Mondt	Classroom - 5 days Virtual - 10 sessions**	Skilled
N485: Advanced Seismic Interpretation	Rachel Newrick	Classroom - 4 days Virtual - 8 sessions**	Skilled

Petrophysics

Course	Instructors	Duration*	Level
N003: Geological Interpretation of Well Logs	Jenny Garnham, Dawn Houliston, Martin Kennedy	Classroom - 5 days Virtual - 10 sessions**	Foundation
N083: Petrophysics and Formation Evaluation: Principles and Practice	David Eickhoff, Mike Lovell	Classroom - 3 days Virtual - 6 sessions**	Foundation
N528: Petrophysics of Tight and Unconventional Oil Reservoirs	Dick Merkel, Katerina Yared	Classroom - 3 days Virtual - 5 sessions**	Skilled
N666: Special Core Analysis	Adam Moss	Classroom - 4 days	Skilled

**session duration - 3-4 hours
*recommended course duration

CLASSROOM COURSES

Reservoir Development

Course	Instructors	Duration*	Level
N008: An Introduction to Reservoir Appraisal and Development	Howard Johnson	Classroom - 5 days Virtual - 10 sessions**	Foundation
N058: Reservoir Characterization and Geostatistical Modeling; A Data Analytical Approach to Practical Geospatial Reservoir Mapping	Jeffrey Yarus	Classroom - 4 days Virtual - 8 sessions**	Skilled
N412: A Critical Guide to Reservoir Appraisal and Development	Philip Hirst and Pete Smith	Classroom - 5 days Virtual - 10 sessions**	Skilled
N401: Multi-Disciplinary Skills for Field Development Planning and Approval	Pete Smith	Classroom - 4 days Virtual - 8 sessions**	Skilled
N427: Reservoir Model Design	Mark Bentley	Classroom - 4 days Virtual - 8 sessions**	Skilled
N444: Development Planning For Mature Fields	Jerry Hadwin	Classroom - 3 days Virtual - 5 sessions**	Skilled

Structure and Tectonics

Course	Instructors	Duration*	Level
N657: Seismic Structural Interpretation Techniques	Douglas Paton	Classroom - 5 days	Foundation
N437: Geomechanics for Unconventional and Tight Reservoirs	Neal Nagel, Marisela Sanchez-Nagel	Classroom - 3 days Virtual - 5 sessions**	Skilled
N477: A Systematic Approach to Defining and Evaluating Stratigraphic and Subtle Combination Traps	Mike Mayall, Mark Thompson	Classroom - 4 days Virtual - 8 sessions**	Skilled

**session duration - 3-4 hours
*recommended course duration

CLASSROOM COURSES

Data Analytics, Economics and Risk Analysis

Course	Instructors	Duration*	Level
N541 Petroleum Economics, Risk and Uncertainty	Pete Smith	Classroom - 3 days Virtual - 5 sessions**	Foundation
N479: Applied Statistical Modeling and Big Data Analytics	Srikanta Mishra	Classroom - 3 days Virtual - 5 sessions**	Skilled

Reservoir and Production Engineering

Course	Instructors	Duration*	Level
N422: Reservoir Engineering for Non-Reservoir Engineers	Jerry Hadwin	Classroom - 4 days Virtual - 8 sessions**	Foundation
N997: Applied Reservoir Engineering	Jerry Hadwin	Classroom - 5 days Virtual - 10 sessions**	Skilled
N996: Gas Reservoir Engineering and Management	Pete Smith	Classroom - 4 days Virtual - 8 sessions**	Skilled
N934: PVT: Concepts, Methods, and Applications	Bahman Tohidi	Classroom - 3 days Virtual - 5 sessions**	Skilled
N940: Modern Completion and Production Enhancement Techniques	Jonathan Bellarby	Classroom - 5 days Virtual - 10 sessions**	Skilled

**session duration - 3-4 hours

*recommended course duration

CLASSROOM COURSES

Energy Transition

Course	Instructors	Duration*	Level
N583: Fundamentals of Low Carbon Energy	Mark Ireland	Classroom - 2 days Virtual - 4 sessions**	Awareness
N531: Mitigating Geohazards in Seafloor Settings	Lesli Wood	Classroom - 2 days Virtual - 4 sessions**	Foundation
N580: Exploration and Development of Deep Aquifer Geothermal for Direct Heat Use	Mark Ireland	Classroom - 3 days Virtual - 5 sessions**	Foundation

Carbon Capture and Storage

Course	Instructors	Duration*	Level
N565 Carbon Capture and Storage for Geoscientists and Engineers	Richard Worden	Classroom - 3 days Virtual - 5 sessions**	Foundation
N584: Storage Exploration – Screening and Selection of CO2 Sites	James Lorsong, Pete Smith	Classroom - 2 days Virtual - 3 sessions**	Skilled
N585: CO2 Containment and Storage Monitoring	James Lorsong	Classroom - 2 days Virtual - 3 sessions**	Skilled
N592: Well Engineering for CO2 Storage Applications	Jonathan Bellarby	Classroom - 3 days Virtual - 5 sessions**	Skilled

**session duration - 3-4 hours
*recommended course duration

PROFESSIONAL SKILLS DEVELOPMENT (PSD)

Invest in yourself and teams to thrive in an evolving work environment

Subject Areas

Management and Leadership
Mentoring Skills
Communication and Facilitation
Project Management Skills

We offer a number of courses on a range of topics such as communication, project management, leadership and coaching. All courses are designed specifically for the energy industry and include courses by industry professionals who are able to bring relevant experience to the training.

PROFESSIONAL SKILLS DEVELOPMENT (PSD)

Subject Area	Course	Instructors	Duration
Management and Leadership	N813: Inspiring Leadership Skills	Andy Beech, Sarah Farmer	Classroom - 2 days
Management and Leadership	N852: Boost Productivity and Motivation in a Remote Workplace	Andy Beech	Classroom - 1 day Virtual - 2 sessions
Mentoring Skills	N815: Empowering Coaching Skills	Andy Beech	Classroom - 2 days
Mentoring Skills	N826: Effective Mentoring Skills	Andy Beech	Classroom - 1 day
Communication and Facilitation	N853: Making Impactful Presentations Remotely	Andy Beech	Classroom - 1 day Virtual - 2 sessions
Project Management	N855: Managing Capital Projects in the Energy Industry	Laurent Spring	Classroom - 5 days

**session duration - 3-4 hours
*recommended course duration

COURSE ACCESS

Scheduled courses

We deliver field, classroom and online courses focusing on core skills development and current challenges facing the E&P industry. Courses are delivered by instructors recognised as world class subject matter experts in their field, including industry leaders, professors and distinguished lecturers.

Our scheduled courses can be accessed through your corporate Nautilus Training Alliance (NTA) Membership or courses can be booked on-demand as required online by credit card or invoice.

Self-paced e-learning

Offered independently or as part of a blended learning program, our bespoke e-learning solutions immerse learners in a rich variety of content and interactive media to provide a personalised learning experience. By providing access to the e-learning catalogue or producing custom content, we can help organisations leverage technology to engage their learners in a dynamic and exciting digital learning environment.

With each new course, you will find an overview of what the course covers and what's associated with the specific course elements in the introductory module page. Specific competencies are addressed through videos, presentation materials, interactive quizzes, 3D models, text and voice-overs. Each module is designed for flexible learning and allows for variable periods of interaction with content to suit individual needs.

Courses can be accessed either via a corporate license or can be booked on-demand as required online by credit card or invoice.

Inhouse courses

The same best in class virtual, field and classroom courses focusing on core skills development and current challenges but delivered inhouse for groups typically of 10 to 20 participants. Courses delivered by instructors recognised as world class subject matter experts.

Designed to meet technical requirements – Learning events are tailored to address learning outcomes most relevant to the team in the workplace. Can include variations across all subject areas and specifics to address cross-disciplinary challenges. Established courses can be delivered off-the-shelf or customised to meet specific technical focus and level.

Flexible locations – Either in your office, or virtually to provide training for participants in multiple locations.

Flexible schedules – Delivered in continuous sessions, or distributed over a longer period of time to suit operational requirements.

Efficient - Team focused training is a cost effective means of learning and development for technical staff with shared technical challenges.

Book a course or make an inhouse course enquiry:
energytraining.tetrattech.com/contact-us/

BLENDED LEARNING

A learning approach of building knowledge through interactive on-line modules with skills development in instructor-led virtual, classroom or field based workshops, exercises and scenario-based activities.

1 WHY

- Self-paced learning of foundation knowledge and skills followed by instructor-led sessions which focus on practical applications provides an efficient and effective blended pathway.

2 WHAT

- Based on the requirements of the organisation and the needs of the individual.
- Designed for cohorts of staff and scheduled as required.
- Self-paced learning modules are available as required.
- Instructor-led sessions may be in-person or virtual.
- Workshops concentrate on integrating knowledge and developing applications of skills through scenario-based exercises.

3 WHO

- Our approach is suitable for cohorts of staff in a wide range of roles in different sizes of organisation.
- Applicable to organisations or discipline sectors of all sizes and is particularly suitable for a distributed workforce.

5 SUBJECT AREAS

Geosciences | Multi-disciplinary
Reservoir & Production Engineering
Drilling & Well Engineering | Energy Transition

4 HOW

MODULAR

Allows creation of unique training pathways through on-line learning whilst retaining an integrated approach to skills development through classroom and field workshops.

FLEXIBLE

Customised content is accompanied by flexibility of scheduling, fitting in with work patterns to be operationally friendly.

ADAPTABLE

Methods of delivery are adaptable, with content provided as self-paced learning modules (where available) and/or instructor-led sessions in person or virtually.

COST EFFECTIVE

More cost efficient than conventional classroom courses and more effective than on-line training in isolation.



Certificates for Professional Development

Certificates for Professional Development Hours (PDH) and/or Continuing Education Units (CEU) are issued for application toward your professional development.

We are accredited by the International Association for Continuing Education and Training (IACET) and is authorized to issue the IACET CEU. We comply with the ANSI/IACET Standard, which is recognised internationally as a standard of excellence in instructional practices.

[Visit the IACET website](#)

All Geoscience and Professional Skills Development courses on the Nautilus Training Alliance have been accredited by the Geological Society, London and approved for Continuing Professional Development for geoscientists who are working towards or have received Chartered Geologist status.

[Visit the Geological Society of London's website](#)



Our goal is to collaborate with our customers to develop the competencies and capability of their workforce through integrated learning that supports their roles and promotes individual development driving organisational excellence. Our expertise brings flexible and scalable solutions from a diverse energy portfolio in the design, development of technical content and knowledge-based programmes delivered by expert instructors. Our technical and learning expertise help organisations develop the competencies, skills and knowledge they need to fulfil their collective potential.

CONTACT

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