



**TETRA TECH**  
RPS ENERGY

**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 RPS 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.



Oil and Gas



Carbon Management and Gas Transition



Sustainable Heat - Geothermal



Environmental, Social and Governance (ESG)

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



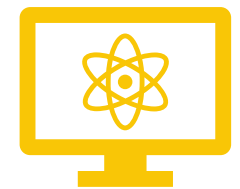
**Virtual**  
Virtual instructor led courses timetabled to provide a globally accessible program.



**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.

# 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
<a href="#">N494: Controls on Carbonate Depositional Systems and Reservoir Characterisation</a>	Michele Morsilli	Oligo-Miocene - Apulia, Italy	5 days	Foundation
<a href="#">N009: Sedimentology, Stratigraphy and Reservoir Geology of Deepwater Clastic Systems</a>	Andy Pulham	County Clare, Ireland	5 days	Skilled
<a href="#">N011: High Resolution Sequence Stratigraphy: Reservoir Applications</a>	Andy Pulham and Lee Krystinik	Utah, USA	5 days	Skilled
<a href="#">N042: Reservoir Sedimentology and Stratigraphy of Coastal and Shelfal Successions: Deltas, Shorelines and Origins of Isolated Sandstones</a>	Andy Pulham and Lee Krystinik	NW Colorado, USA	5 days	Skilled
<a href="#">N107: Turbidite Facies Architecture, Reservoir Applications and Predictive Stratigraphy</a>	De Ville Wickens and David Hodgson	Karoo Basin, South Africa	5 days	Skilled
<a href="#">N112: Basin-Scale Analysis of a Confined Turbidite System</a>	David Stanbrook and Gill Apps	Grès d'Annot, SE France	6 days	Skilled
<a href="#">N252: Reservoir Geology of Deepwater Systems: Processes, Architecture and Reservoir Quality Analysis</a>	Bill McCaffrey	Alps, France	5 days	Skilled
<a href="#">N310: Carbonate Reservoir Characterisation and Modelling</a>	Mark Bentley and Richard Oxlade/Ed Stephens	Provence, France	5 days	Skilled
<a href="#">N358: Fine-Grained Carbonate Reservoirs</a>	Andy Gale	Étretat, Northern France	4 days	Skilled

\*recommended course duration

# FIELD COURSES

## Unconventional Resources

Course	Instructors	Location	Duration*	Level
<a href="#">N184: Unconventional Resources: The Main Oil Systems</a>	Steve Sonnenberg	Colorado, USA	5 days	Skilled
<a href="#">N245: Sedimentology and Stratigraphy of Lacustrine Systems: Reservoir and Source Rocks, Great Salt Lake and Green River Formation</a>	Rick Sarg and Paul Wright	Utah and Colorado, USA	6 days	Skilled
<a href="#">N364: Fracture Architecture, Sedimentology and Diagenesis of Organic-rich Mudstones of Ancient Upwelling Zones with Application to Naturally Fractured Reservoirs</a>	Richard Behl and Jon Schwalbach / Michael Gross	California, USA	5 days	Skilled
<a href="#">N463: Geological Drivers for Tight-Oil and Unconventional Plays in the Powder River Basin and Applications to Other Basins</a>	Randi Martinsen and Lee Krystinik	Wyoming, USA	5 days	Skilled

## Reservoir Development

Course	Instructors	Location	Duration*	Level
<a href="#">N108: Exploration and Geological Model Development in Fluvial Reservoirs</a>	Gary Nichols and Philip Hirst	Pyrenees, Spain	5 days	Skilled
<a href="#">N386: Reservoir Model Design</a>	Mark Bentley and Philip Ringrose	Pembrokeshire, UK	5 days	Skilled
<a href="#">N432: Clastic Reservoir Characterisation for Appraisal and Development</a>	Philip Hirst and Gary Nichols	Pyrenees, Spain	5 days	Skilled

## Structure and Tectonics

Course	Instructors	Location	Duration*	Level
<a href="#">N407: Predicting Reservoir and Petroleum Systems in Rift and Extensional Basins</a>	Lee Krystinik	New Mexico & Colorado, USA	6 days	Skilled
<a href="#">N575: From Sub-Seismic Faults to Rift Basins: Exploration, Appraisal, and Production Insights</a>	Douglas Paton	Gulf of Corinth, Greece	5 days	Skilled

\*recommended course duration

# CLASSROOM AND VIRTUAL COURSES

Detailed and practical training across the asset life cycle from exploration, appraisal, development through to production

## Subject Areas

Energy Transition  
Carbon Capture and Storage  
Basin Analysis  
Geophysics & Seismic Interpretation  
Petrophysics  
Reservoir Development  
Sedimentology and Stratigraphy  
Data Analytics, Economics & Risk Analysis  
Unconventional Resources  
Production & Reservoir Engineering  
Industry Fundamentals

*All courses in the RPS Portfolio can be tailored for client requirements. 'Awareness' level courses are for non-technical staff, designed to provide an overview and general understanding of a subject area. For technical staff the 'Foundation' courses are for new hires or those transferring to a new subject area and 'Specialist' courses provide a more in-depth coverage for more experienced professionals.*

# CLASSROOM AND VIRTUAL COURSES

## Energy Transition

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

## Carbon Capture and Storage

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

## Basin Analysis

Course	Instructors	Duration*	Level
<a href="#">N129: Hydrocarbon Habitat in Rift Basins</a>	Joe Lambiase	5 days	Skilled
<a href="#">N425: Play Analysis for Targeted Prospect Identification</a>	Mark Thompson	Classroom - 4 days Virtual - 8 sessions**	Skilled

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



# CLASSROOM AND VIRTUAL COURSES

## Geophysics and Seismic Interpretation

Course	Instructors	Duration*	Level
<a href="#">N004: The Essentials of Rock Physics and Seismic Amplitude Interpretation</a>	Rob Simm or Eleanor Oldham	Classroom - 4 days Virtual - 8 sessions**	Foundation
<a href="#">N066: An Objective Approach to Seismic Processing / N066: Acquisition and Processing of Near Surface Seismic Data</a>	Rob Hardy	Classroom - 3 days Virtual - 5 sessions**	Foundation
<a href="#">N085: The Use of Seismic Data for Subsurface Interpretation</a>	Rachel Newrick	Classroom - 5 days Virtual - 10 sessions**	Foundation
<a href="#">N224: Methods for Quantifying and Communicating Uncertainty in Depth Conversion and Volumetrics</a>	Ashley Francis	Classroom - 3 days Virtual - 5 sessions**	Skilled
<a href="#">N485: Advanced Seismic Interpretation</a>	Rachel Newrick	Classroom - 4 days Virtual - 8 sessions**	Skilled

## Petrophysics

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

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

# CLASSROOM AND VIRTUAL COURSES

## Reservoir Development

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

## Sedimentology and Stratigraphy

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

\*\*session duration - 3-4 hours

\*recommended course duration

# CLASSROOM AND VIRTUAL COURSES

## Data Analytics, Economics and Risk Analysis

Course	Instructors	Duration*	Level
<a href="#">N541 Petroleum Economics, Risk and Uncertainty</a>	Pete Smith	Classroom - 3 days Virtual - 5 sessions**	Foundation
<a href="#">N597: Managing Subsurface Data and More - OSDU™ Fundamentals</a>	Jürgen Grötsch	Classroom - 1 day Virtual - 2 sessions**	Foundation
<a href="#">N479: Applied Statistical Modeling and Big Data Analytics</a>	Srikanta Mishra	Classroom - 3 days Virtual - 5 sessions**	Skilled
<a href="#">N988: PRMS Reserves &amp; Resource Assessment</a>	Jim Bradley and Gordon Taylor	Classroom - 2 day Virtual - 4 sessions**	Skilled

## Reservoir Engineering

Course	Instructors	Duration*	Level
<a href="#">N422: Reservoir Engineering for Non-Reservoir Engineers</a>	Jerry Hadwin	Classroom - 4 days Virtual - 8 sessions**	Foundation
<a href="#">N997: Applied Reservoir Engineering</a>	Jerry Hadwin	Classroom - 5 days Virtual - 10 sessions**	Skilled

## Unconventional Resources

Course	Instructors	Duration*	Level
<a href="#">N437: Geomechanics for Unconventional and Tight Reservoirs</a>	Neal Nagel, Marisela Sanchez-Nagel	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	<a href="#">N813: Inspiring Leadership Skills</a>	Andy Beech, Sarah Farmer	Classroom - 2 days
Management and Leadership	<a href="#">N852: Boost Productivity and Motivation in a Remote Workplace</a>	Andy Beech	Classroom - 1 day Virtual - 2 sessions
Mentoring Skills	<a href="#">N815: Empowering Coaching Skills</a>	Andy Beech	Classroom - 2 days
Mentoring Skills	<a href="#">N826: Effective Mentoring Skills</a>	Andy Beech	Classroom - 1 day
Communication and Facilitation	<a href="#">N853: Making Impactful Presentations Remotely</a>	Andy Beech	Classroom - 1 day Virtual - 2 sessions
Project Management	<a href="#">N855: Managing Capital Projects in the Energy Industry</a>	Laurent Spring	Classroom - 5 days

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

# COURSE ACCESS

## Scheduled courses

RPS delivers 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.

RPS' 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, RPS' 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 RPS e-learning catalogue or producing custom content, RPS 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 wither 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:  
[training.rpsgroup.com/contact-us/](https://training.rpsgroup.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.

## 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.

## 5 SUBJECT AREAS



Oil and Gas



Carbon Management and Gas Transition



Sustainable Heat - Geothermal



Environmental, Social and Governance (ESG)



## 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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