For a comprehensive portfolio of courses covering a broad spectrum of disciplines, visit NExTtraining.net.

NExT Online Technical Forum
Even after your NExT course is complete, learning does not have to stop. Continue your in-class discussion in an online community with the NExT Technical Forum.

Join today at NExTtraining.net/forum.
Today, the E&P industry faces significant human resource challenges. Companies with a deficit of mid-career expertise are under huge pressure to accelerate the development of their young professionals. And as the industry focuses on hard-to-extract oil and gas resources, professionals at all levels need to acquire fresh skill sets and better understand new technologies and their applications.

NExT is dedicated to the professional development of the E&P industry’s petrotechnical professionals. With a portfolio of more than 420 expert-led practical courses, training programs, and competency services, NExT has helped more than 10,000 E&P professionals in more than 50 countries develop the petrotechnical expertise needed to meet today’s increasingly complex industry challenges.

By combining expert-led courses, in-class projects customized for your asset challenges, field and lab courses that provide hands-on learning experiences, industry leading software tools, and one-on-one mentoring, NExT training blends a targeted skills-development program that aligns your team’s abilities to your strategic objectives.

Our goal is to provide the best tools to help you meet your competency development objectives in a sustainable way. Our years of experience in the oil and gas business, backed by first-class training knowledge gained through university partnerships, enable us to develop, customize, and continually update the industry’s most advanced E&P training and competency development plans to meet your business goals.

Count on NExT as a partner to help meet your present and future training goals. We do it with you and for you.

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Managing Director, NExT
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In 2000, Schlumberger and three universities that offer petroleum studies programs created NExT Network for Excellence in Training. The three institutions—Texas A&M University, University of Oklahoma, and Heriot Watt University—built strong links within the energy industry and combined their educational capabilities with the operational experience of Schlumberger professionals to provide the NExT organization with training and development expertise.

Schlumberger acquired the commercial rights of NExT and retained the program’s original pool of instructors. To bring a wider variety of technical and regional experience, Schlumberger petrotechnical experts and industry-recognized consultants were added to NExT staff.

Today, NExT has more than 1,000 expert instructors who train more than 10,000 technical professionals each year in 11 core disciplines—from characterization and exploration through development and production—and in industry-spanning domains. Its modular training curricula is designed to meet your competency development goals for a wide range of experience levels.
To meet the educational and career-advancement needs of oil and gas professionals worldwide, and to enhance E&P professionals’ core competencies, NExT offers comprehensive, customized training programs that fit the needs of your organization. Covering the entire breadth of the E&P domain, NExT builds development programs that span core industry disciplines and challenges.

The NExT team of technical and software experts is committed to employing the best instructors, producing materials to the highest standard, and ensuring that curricula evolve to embrace the latest technology advances.

By employing a comprehensive course- and instructor-evaluation system, NExT assures that a continuous QA process is in place and that faculty members are technical experts as well as competent teachers.

By working with industry and university partners as well as client advisory board members, NExT continually incorporates emerging and industry-relevant concepts and technologies to its curricula. Its faculty has gained a wide variety of technical and regional experiences that allows NExT to bring world-class expertise to address each customer’s unique skills and training requirements.

### NExT Client Advisory Board
- BG Group
- Ecopetrol
- Al-Khafji Joint Operations (KJO)
- Kuwait Oil Company (KOC)
- Newfield Exploration
- Sonatrach
- Sonangol Group
- Total
- Abu Dhabi Company for Onshore Oil Operations (ADCO)

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### NExT OFFERINGS

**Train your team in any discipline.**

- **Geology and geophysics**
- **Production engineering**
- **Information management**
- **Economics and finance**
- **HSE**
- **Technical Challenges**
- **Schlumberger Software**

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### NExT Training Programs

**Modular training that meets objectives**

Through one-on-one expert software and technical instruction and field and lab courses delivered in hands-on learning environment, NExT provides a targeted skills-development program that accelerates teams’ core competencies. Examples of training programs include:

- Subsurface Integration Program
- Immersive Exploration Program
- International Oil and Gas Management Program
- Subsurface Engineering for New Hires
- Unconventional Resources Program
- Production Optimization
- Integrated Field Development Program
- Drilling and Completions Program

**On-the-job training**

On-the-job training programs are available for individuals or for groups of customers and include a permanent or time-structured mentor. Students perform real job tasks with their own data, accelerating time to autonomy.

**Accelerate your team’s core competencies**

NExT designs training programs using a blended learning approach, a global training network, and advanced training centers to align with strategic objectives and maximize business impact.

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**NExT Training Key Points**

- Comprehensive training programs
- Customized to meet needs
- Follows latest technology advances
- Instructors are technical experts
- QA process in place

**Ensuring training excellence with our university partners**

### NExT Training

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Today, E&P companies face numerous challenges—not only to explore and produce complex hydrocarbon environments, but also to keep technical staff trained to successfully approach and overcome those challenges.

NExT is dedicated to the professional development of E&P industry professionals, accelerating the development of oil and gas professionals through competency management services, training programs, classroom instruction, mentoring, technical domain courses, and software training certification programs.

**Gain the expertise to meet today's complex challenges**

Schlumberger understands that learning and adopting new technologies and workflows can be a huge challenge. NExT applies hands-on software instruction and domain training to relevant industry challenges such as deep water, shale, and heavy oil.

NExT training on industry-standard Schlumberger software allows maximizing return on software investment by accelerating technology adoption among customers’ technical staff. With software training that meets the needs of professionals with varying levels of experience, NExT empowers teams to reach higher levels of productivity with workflow-focused courses.

**OIL AND GAS SOFTWARE TRAINING**

**Application**
- Training in Schlumberger platforms and foundation software

**Benefits**
- Maximize return on software investments
- Adopt technology faster and use more advanced software capabilities through hands-on training
- Reach higher levels of productivity with advanced or workflow-focused courses

**Features**
- Combined domain and software courses, focusing on industry challenges such as deep water, shale, and heavy oil
- Training centers around the world that offer courses in state-of-the-art facilities
- Private courses delivered at your offices
- Custom courses tailored to your workflows

**Software platforms**
- **Petrel** E&P software platform
- **Techlog** wellbore software platform
- **Avocet** production operations software platform
- **Studio** E&P knowledge environment
- **Ocean** software development framework

**Foundation software**
- **Drillbench** software
- **ECLIPSE** reservoir simulation software
- **GeoFrame** reservoir characterization software
- **GeoX** exploration risk and resource assessment software
- **InnerLogix** data quality management solution
- **INTERSECT** next-generation reservoir simulation software
- **Malcom** interactive fluid characterization software
- **MEPO** multiple realization optimizer
- **Merak** planning, risk, and reserves software
- **SIM** well and reservoir analysis software
- **OLGA** dynamic multiphase flow simulator
- **Omega** seismic data processing software
- **PetroMod** petroleum systems modeling software
- **PIPSIM** production system analysis software
- **ProSource** E&P corporate information management system

Hands-on training enables geoscientists to take full advantage of the advanced features and applications of Schlumberger software.

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An E&P organization’s development activity, growth plans, and performance depend on a talented, technical workforce. To be successful, business leaders must synchronize technical talent—the combination of skills, job capability, and knowledge—with business strategy. Competency management is the best way to ensure this synchronization. Through assessment, training, and testing, competency management matches each asset team’s skills to the company’s needs and goals.

For small teams and for hundreds of people spanning multiple asset teams, NExT has helped E&P organizations and professionals worldwide assess their talent, design training programs, and develop technical capabilities.

Competency assessment software
Competency management services include initial assessments, competency-gap analysis, curriculum development, and training as well as follow-up verification to quantify improvements using multilingual competency assessment software at all stages of the process. Our competency assessment software contains built-in knowledge matrices with more than 1,000 job profiles and individual training plans.
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Competency Management Model

1. **Strategy**
   - A sound strategy that considers organizational needs, business direction, competency goals, and job profiles is developed to build detailed job and assignment descriptions.

2. **Road Map**
   - Using strategy inputs, a customized competency model is developed per relevant discipline with a defined proficiency for each level.

3. **Assessment**
   - Through a combination of self-assessment, testing, and individual interviews by technical experts, a comprehensive organization health check is completed providing an actionable snapshot that includes strengths, technical gaps, and areas for improvement.

4. **Training**
   - Targeting identified technical gaps, a training program is designed to achieve the fastest path for each team’s development.

5. **Impact**
   - To verify the impact of the training, an assessment is repeated and compared to the initial assessment. Further development recommendations are provided to ensure that each team’s technical skills help drive company performance.

Improved performance through targeted training

Using a proven, scalable, five-step process, NExT delivers competency management projects customized to each company’s unique needs at different scales—from accelerated team development projects spanning several weeks to immersive programs following asset teams through multiple assignments.

Successful Competency Assessment Projects

- **Lukoil Overseas** expresses its gratitude to NExT for the knowledge, skill, and competency assessment of the West Qurna specialists. This project contributed to solving technical issues the company faced in rotating the personnel and strategic issues preparing training plans aimed at developing our specialists. The project was carried out at a high level and within the shortest time frame.

  Inna Gubareva
  Acting Head of HR Division & Organizational Development

- Petroliam Nasional Berhad (Petronas)
- Petróleos Mexicanos (Pemex)
- Sonangol Group
- Société Nationale des Hydrocarbures (SNH)
- Gazprom Neft
- PT MedcoEnergi Internasional Tbk (Medco)
- Japan Vietnam Petroleum Corporation (JVPC)
- Cuu Long Joint Operating Company (CLJOC)
- Yemen company for Investment in Oil & Minerals (YICOM)
INDUSTRY CHALLENGES

Exploration

Exploration success depends on understanding and quantifying the key geological risk elements—trap, reservoir, charge, and seal. These elements are connected and affect one another; their relative timing will determine whether commercial hydrocarbons can be found and extracted. The fundamental aspect of the exploration function in the oil industry is to find fresh and new reserves. NEeT has a portfolio of courses around exploration that covers all stages of the exploration value chain.

Unconventional Resources

The multidomain shale training program from NEeT is the fastest, most effective way of equipping your team with the knowledge necessary to efficiently and properly identify and develop unconventional plays. Learn about these complex reserves from industry experts with decades of experience and by modeling actual shale prospects, visiting core laboratories, taking field trips, and presenting a pilot project developed in class.

Deep Water

Much of the world’s future production will come from deepwater developments in the Gulf of Mexico, Brazil, and West Africa as well as the emerging petroleum basins of eastern Canada, the Arctic, and east Africa. NEeT has a wide range of courses designed to help you develop your exploration, drilling, and production skills in deep water.

EOR

The EOR program from NEeT is fast-track training for experienced reservoir and simulation engineers who have limited expertise on EOR process, including EOR mechanisms, experimental analysis, and field implementations. This training focuses on miscible, immiscible, chemical, and thermal process for clastics and nonfractured carbonates and can include applications of the Petrel platform and ECLIPSE software to those processes.

IMMERSIVE LEARNING PROGRAMS

Surface Facilities

NEeT offers a wide range of training related to maintenance and reliability design, facility engineering, and facility operations and maintenance as well as technician and operator training.

Project Management & Leadership

NEeT project management and related training covers the application of knowledge, skills, and techniques to execute projects effectively and efficiently. The course follows the guidelines established by the Project Management Institute (PMI®) and its Project Management Body of Knowledge (PMBOK®).

Master’s Degree Programs

NEeT, in conjunction with Heriot Watt University, offers two advanced degree options for the next step in your career development:

- Petroleum Engineering Master’s Degree Program
- Oil & Gas Industry Management Master’s Degree Program.

HSE

HSE defines the principles by which organizations conduct their operations worldwide. Organizations today demonstrate their commitment to the highest standards of health and safety for their employees, customers, and contractors as well as to the protection of the environment and communities. NEeT provides a wide range of training courses related to this important subject to ensure organizations are up to date in compliance and performance.

Petrel Professional Certification Program

Accommodating competency levels from fundamental to expert, the Petrel Certification Program offers individuals, academia, and corporations the prospect to

- validate skills and petrotechnical knowledge
- demonstrate competency levels from fundamental to expert
- obtain global recognition with industry-recognized standards
- earn certifications in geology and modeling, or geophysics.

Well Control Certification and Drilling Simulation

NEeT offers industry-recognized well control certification for land-based supervisors using the well control simulators at the European Learning Center in Melun, France. Courses on drilling operations use a computer-based drilling operations management simulator to drill a virtual well. Participants role-play key rig-site jobs to construct a well following a drilling program. This integrated PC-based simulator provides virtual on-the-job training by recreating the rig setup of a driller’s station, drilling supervisor’s station, and mud engineer’s station.

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NEiT, in conjunction with Heriot Watt University, offers two advanced degree options for the next step in your career development:

• Petroleum Engineering Master’s Degree Program
• Oil & Gas Industry Management Master’s Degree Program.

HSE

HSE defines the principles by which organizations conduct their operations worldwide. Organizations today demonstrate their commitment to the highest standards of health and safety for their employees, customers, and contractors as well as to the protection of the environment and communities. NEiT provides a wide range of training courses related to this important subject to ensure organizations are up to date in compliance and performance.
GEOLOGY FIELD TRIPS

Where do you want your classroom to be?

Geology can be studied in the classroom, but it can be better understood in the field. Learning by doing puts things into their proper scale, context, and perspective. Examining first-hand the results of time, weather, and tectonic forces allows geoscientists to gain greater insight into the formation of reservoirs.

With a carefully selected portfolio of practical, high-quality field trips covering relevant depositional and tectonic environments, NExT meets the needs of working geologists and petroleum engineers and the companies that rely on them to meet their goals.

Broaden your exploration and production perspective

NExT field trips build expertise and develop practical interpretation skills by
• improving the understanding of geological complexities
• strengthening technical knowledge through exposure to new and diverse geological environments
• delivering broader perspectives and new insights through hands-on field experiences.

In addition to classroom lectures and exercises, hands-on experiences include trips to road cuts, ancient outcrops, modern sedimentary environments, core analysis laboratories, and research facilities. NExT has expanded learning modules include integrated interpretation and modeling with interactive training in software applications like the Petrel platform.

NExT geology field trips broaden your understanding with first-hand experiences in field formation evaluation, log and core analysis, and 3D reservoir modeling. Field trip course topics include
• faults and fractures
• carbonate platforms and reefs
• shallow carbonates and evaporites
• fluvial-deltaic and deep-marine clastics
• rift zones
• turbidites
• deltaic fan systems.

NExT Field Trip Sites

- Utah and Colorado: Fluvial and Deltaic Architecture and Advanced Modeling in the Petrel Platform
- Southern Pyrenees, Spain: Foreland Basin Synsedimentary Sedimentation
- New Mexico and Texas: Subsurface Integration Workshops
- Cyprus: Cretaceous to Recent Depositional History from a Remnant of the Tethys Ocean
- Egypt: Syn-Rift Carbonate Platforms, Miocene–Recent
- Maltese: Oligo-Miocene Carbonate Sedimentary Models
- Nöl, Uae: Arid Coastline Carbonates and Evaporites
- South West Province, Uk: Late Palaeozoic–Early Mesozoic Sedimentation
- Syria: Fluvial–Deltaic and Deep-Marine Clastics
- Malta: Oligo–Miocene Carbonate Sedimentary Models
- Karoo, South Africa: Permian Basin Floor Fan Systems
- Balearic Islands: Reservoir Scale Heterogeneity in Upper Miocene Platforms
- County Clare, Ireland: Delta–Glacial–Turbidite Depositional Environments from Glacial Spreads to Tropical Reefs
- Utah and Colorado: Fluvial and Deltaic Architecture and Advanced Modeling in the Petrel Platform
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NExT Field Trip Sites
INTEGRATED FIELD DEVELOPMENT PROGRAM

NExT offers practical field development plan (FDP) training that accelerates and transforms technical skills. It builds expertise in FDP techniques, tools, and workflows that are needed to address the challenges of field developments.

This training is unique because it includes theory, software training, model building, workflows, and an in-class project designed to reinforce lessons and demonstrate the acquired practical skills and understanding.

The immersive, comprehensive curriculum starts from general understanding and extends to in-depth field assessment with economics, risk, and standard analysis techniques that provide a complete understanding of FDP.

Integrated FDP Program Flow

Field development is becoming much more complex and expensive, so getting it right is critical. NExT offers four different FDP programs, each providing the opportunity to learn fundamental approaches in developing and working an FDP. The program incorporates the latest technologies and software to enable customers to design a suitable, long-term, and profitable development strategy.
INTEGRATED FIELD DEVELOPMENT PROGRAM

NExT Training offers practical field development plan (FDP) training that accelerates and transforms technical skills. It builds expertise in FDP techniques, tools, and workflows that are needed to address the challenges of field developments.

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For a comprehensive portfolio of courses covering a broad spectrum of disciplines, visit NExTtraining.net.

NExT Online Technical Forum
Even after your NExT course is complete, learning does not have to stop. Continue your in-class discussion in an online community with the NExT Technical Forum.

Join today at NExTtraining.net/forum.