NExT Oil & Gas Training and Competency Development

Global network of training centers and technical facilities

THE NEXT EDGE

- Full suite of training courses in upstream disciplines, as well as a broad range of technical training programs
- Training in leading software tools and culture
- Partnership with advanced industry and academic institutions, including top universities in their fields
- Access to a global network of Schlumberger training centers, where Schlumberger trains its customers as well as its own staff

Build multidisciplinary technical expertise faster.

NExT, a Schlumberger company, provides technical and software training and professional development services for the E&P industry. Our curriculum encompasses introductory to advanced topics in industry-spanning disciplines, including geology, geophysics, petrophysics, drilling, reservoir engineering, production, facilities, management, and economics. We also offer training in industry-standard Schlumberger software, including:

- Petrel® E&P software platform
- TechLog® wellbore software platform
- PetroMod® petroleum systems modeling software
- ECLIPSE® industry-standard reservoir simulator
- OFM® well and reservoir analysis software

With more than 420 expert-led practical courses, training programs, and competency services, NExT has helped more than 13,000 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-videos projects, and case studies 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 helps teams and individuals align their abilities to strategic objectives.

For a comprehensive portfolio of courses covering a broad spectrum of disciplines, visit www.NExTtraining.com.
OilSim

Explore decision making through the entire upstream value chain.

Latest Courses

Interactive training courses enabled by OilSim upstream learning simulator

Oil and Gas Business Simulation Game with OilSim

In this 2-day awareness-level course, participants experience firsthand the challenges, opportunities, and dimensions of real-world exploration and production processes — from acquiring a block to its development, production, and abandonment. Attendees split into teams to form a virtual oil and gas company. The teams collaborate to explore, develop, and produce oil and gas in a fiercely competitive environment. OilSim simulates the role of a company team leader, enabling users to experience real-world, strategic, tactical, and operational responsibilities. Participants are challenged to make informed investment decisions and face the consequences of their actions in a simulated business environment.

The OilSim simulator module addresses the following business and technical challenges:

Challenge 1  Initial Screening
Challenge 2  Prospecting
Challenge 3  Exploration Drilling
Challenge 4  Depletion Plan
Challenge 5  Facilities Plan
Challenge 6  Construction Project
Challenge 7  Production

Introduction to Petroleum Exploration and Production with OilSim

This 3-day awareness-level course helps participants to understand the functions, roles, and responsibilities of companies at every stage of the industry life cycle. Using OilSim simulator, the course provides an overview of the oil and gas industry to explore, appraise, develop, and produce hydrocarbons. Participants will learn the risks and rewards associated with the industry as well as the real-world impact of decisions.

Key learning elements of this course include:
- geology—involved for their knowledge in business processes
- project management
- financials
- risk
- developing a broader understanding of all elements of the value chain
- learning about functional roles and how they work together to create value
- strategic thinking and use of practical tools, including economics, financial metrics, and risk
- evaluating different strategic options
- understanding business knowledge that can be applied back on the workplace.

Introduction to Management of E&P Business with OilSim

This 5-day foundation-level course helps participants to understand the functions, roles, and responsibilities of companies at every stage of the industry life cycle — from new-country entry strategy through field abandonment. It covers technical and business challenges as well as interaction with fiscal and government bodies.

Course content also includes typical business and economic frameworks of oil companies.

Case topics include:
- corporate strategy
- project management
- financials
- risk
- developing a risk analysis and completing an associated strategic plan
- constructing a communications plan as well as project plan and schedule
- developing a risk analysis and completing a risk register
- using effective techniques for controlling and monitoring project change

Project Management Fundamentals

This 5-day foundation-level course provides attendees with the foundational knowledge and skills required to successfully manage all types of projects. This course contains standard project management concepts with attention to case studies and practical exercises, including simulation and real-world projects with OilSim simulator. The course follows the guidelines established by the Project Management Institute (PMI®) and its Project Management Body of Knowledge (PMBOK®). This course provides the ability to:
- apply project management best practices in initiating, planning, executing, and closing projects
- develop a project charter
- perform a cost/benefit analysis
- construct a communication plan as well as a project plan and schedule
- develop a risk analysis and completing a risk register
- use effective techniques for controlling and monitoring project change

The course is designed for all current or future project managers or leaders who want to better understand how to successfully manage a project using the PMI Project Management Methodology. This course meets the PMI® Project Management Professional (PMP®) 35-hour training certification requirement and is delivered by a PMI registered education provider.
OilSim

Explore decision making through the entire upstream value chain.

The OilSim simulator enables participants to better understand the roles, risks, and responsibilities of every discipline, function, and company in the oil and gas industry. Participants explore, develop, and produce oil and gas in a fictitious petroleum province, using the technologies, workflows, and processes that enable the oil and gas industry to explore, appraise, develop, and produce hydrocarbons. Participants will learn the risks and rewards associated with the industry as well as the real-world impact of decisions.

Key learning elements of this course include

- integrating personnel across their functional business processes
- the life cycle—various phases of the oil and gas industry
- technologies—exposure to enabling technologies and processes for successful exploitation of hydrocarbon resources
- social, environmental, and financial aspects of the industry.

Course content also includes typical business and economic frameworks of oil companies.

Course topics include

- corporate strategy
- petroleum economics
- portfolio management
- fiscal regimes
- exploration strategy
- risk analysis
- appraisal strategy
- reserves classification
- ballot development planning
- project management
- frameworks and well-based recovery (OCR and EUR)
- acquisition and monetization.

Participants can gain an understanding of real-world cycle asset management, which is not feasible using oil and gas challenges, practical OilSim case simulator, and navigating through realistic industry case studies and success stories.

Latest Courses

Interactive training courses enabled by OilSim upstream learning simulator

Oil and Gas Business Simulation Game with OilSim

In a 2-3 day, assessment-level course, participants experience firsthand the challenges, opportunities, and disciplines of new-world exploration and learn from their successes and failures. Attendees split up into groups to form small oil and gas companies. The teams collaborate to explore, develop, produce oil and gas in a fictitious petroleum province, all while maintaining environmental, social, ethical, and economical responsibility. Each team’s success is measured on their organizational success and team credibility points, which are scored through making appropriate, informed decisions.

Targeted for both non-scientific and technical E&P personnel seeking a broader knowledge of the upstream activities, this course focuses on:

- team building and networking
- gaining a broader understanding of all elements of the value chain
- learning about functional roles and how they work together to create value
- strategic thinking and use of practical tools, including economics, financial metrics, and risk
- evaluating different strategic options
- developing business knowledge that can be applied back to the workplace.

Introduction to Petroleum Exploration and Production with OilSim

This 5-day, assessment-level course helps participants better understand the function, risks, and responsibilities of companies at every stage of the industry lifecycle. Using OilSim simulator, the course provides an overview into the various technologies, workflows, and processes that enable the oil and gas industry to explore, appraise, develop, and produce hydrocarbons. Participants will learn the risks and rewards associated with the industry as well as the real-world impact of decisions.

Key learning elements of this course include

- project–inclusive personal and their function in business processes
- the life cycle—various phases of the oil and gas industry
- technologies—exposure to enabling technologies and processes for successful exploitation of hydrocarbon resources
- social, environmental, and financial aspects of the industry.

Course content also includes typical business and economic frameworks of oil companies.

Course topics include

- corporate strategy
- petroleum economics
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Participants can gain an understanding of real-world cycle asset management, which is not feasible using oil and gas challenges, practical OilSim case simulator, and navigating through realistic industry case studies and success stories.

Introduction to Management of E&P Business with OilSim

This 5-day, foundation-level course provides attendees with the foundational knowledge and skills required to successfully manage all types of projects. This course concentrates standard project management in real-life projects with numerous case studies and practical exercises, including simulating real-world projects in OilSim simulator. The course follows the guidelines established by the Project Management Institute (PMI®) and is Project Management Body of Knowledge (PMBOK®) compliant.

The course provides the ability to

- apply management best practices in initiating, planning, executing, and closing projects
- developing a project charter
- performing a stakeholder analysis
- constructing a communications plan as well as a project plan and schedule
- developing a risk analysis and completing a risk register
- using effective techniques for controlling and monitoring project change.

This course is designed for all current or future project managers who require a better understanding of how to successfully manage a project, both within the PMI® Project Management Methodology. This course supports PMI® PMI®- 35-hour training certification requirement and is delivered by a PMI®-registered education provider.
Explore decision making through the entire upstream value chain.

OilSim

Simulation-based learning experiences, tools, and strategies can be applied in designing structured learning experiences as well as targeting key areas of improvement. The OilSim upstream learning simulator takes users through the entire exploration and production business process—from new-country entry strategy through field abandonment. It covers technical and business challenges as well as interaction with local and national bodies. Course content also includes typical business and economic frameworks of oil companies. Course topics include corporate strategy, petroleum economics, portfolio management, fiscal regimes, exploration strategy, risk analysis, appraisal strategy, reserves classifications, field development planning, project management, financial and organizational structures, and improved and enhanced oil recovery (IOR and EOR) technologies—exposure to enabling technologies—various phases of the oil and gas industry life cycle—various phases of the oil and gas industry—various phases of the oil and gas industry—various phases of the oil and gas industry.

Latest Courses

Interactive training courses enabled by OilSim upstream learning simulator.

Introduction to Oil and Gas Business Simulation Game with OilSim

In this 2-day awareness-level course, participants experience firsthand the challenges, opportunities, and dimensions of real-world exploration and production business processes—from acquiring a block to its development, production, and abandonment. Attendees split into groups to form virtual oil and gas companies. The teams collaborate to explore, develop, and produce oil and gas in a fictitious petroleum province, all while maintaining environmental, social, ethical, and economically responsible. Each team’s success is measured on their organizational unit and their credibility points, which are earned through making appropriate, informed decisions.

The OilSim upstream learning simulator involves creating a business environment. OilSim simulates real-world oil and gas challenges, practiced via OilSim simulator, and reviewed alongside the value chain.

Challenge 1: Initial Screening

In this 2-day awareness-level course, participants learn to appreciate the core functions of oil companies at every stage of the industry life cycle.

Challenge 2: Prospecting

Course content also includes typical business and economic frameworks of oil companies. Course topics include project management, financial and organizational structures, and improved and enhanced oil recovery (IOR and EOR) technologies—exposure to enabling technologies—various phases of the oil and gas industry.

Challenge 3: Exploration Drilling

The course provides the ability to apply project management best practices in initiating, planning, executing, and closing a project.

Challenge 4: Depletion Plan

This 5-day foundation-level course provides attendees with the foundational knowledge and skills required to successfully manage a project of all types. This course contains standard project management tasks along with attendees case studies and practical exercises, including simulating real-world project in OilSim simulator. The course follows the guidelines established by the Project Management Institute (PMI®) and the Project Management Body of Knowledge (PMBOK®).

Challenge 5: Facilities Plan

Course topics include corporate strategy, petroleum economics, portfolio management, fiscal regimes, exploration strategy, risk analysis, appraisal strategy, reserves classifications, field development planning, project management, financial and organizational structures, and improved and enhanced oil recovery (IOR and EOR) technologies—exposure to enabling technologies—various phases of the oil and gas industry.

Challenge 6: Construction Project

Course topics include project management, financial and organizational structures, and improved and enhanced oil recovery (IOR and EOR) technologies—exposure to enabling technologies—various phases of the oil and gas industry.

Challenge 7: Production

Course topics include corporate strategy, petroleum economics, portfolio management, fiscal regimes, exploration strategy, risk analysis, appraisal strategy, reserves classifications, field development planning, project management, financial and organizational structures, and improved and enhanced oil recovery (IOR and EOR) technologies—exposure to enabling technologies—various phases of the oil and gas industry.

Project Management Fundamentals

This 5-day foundation-level course provides attendees with the foundational knowledge and skills required to successfully manage a project of all types. This course contains standard project management tasks along with attendees case studies and practical exercises, including simulating real-world project in OilSim simulator. The course follows the guidelines established by the Project Management Institute (PMI®) and the Project Management Body of Knowledge (PMBOK®).

The course provides the ability to apply project management best practices in initiating, planning, executing, and closing a project.

Project Management Methodology. This course satisfies PMI®’s introduction to management certification and is delivered by a PMI® registered education provider.

Introduction to Petroleum Exploration and Production with OilSim

This 5-day awareness-level course provides participants with insight into the entire oil company decision-making process—from new-country entry strategy through field abandonment. It covers technical and business challenges as well as interaction with local and national bodies. Course content also includes typical business and economic frameworks of oil companies. Course topics include project management, financial and organizational structures, and improved and enhanced oil recovery (IOR and EOR) technologies—exposure to enabling technologies—various phases of the oil and gas industry.
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and Competency Development

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OilSim

Upstream learning simulator for interactive training

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