Integrated Field Development Program

NEXT offers practical field development plan (FDP) training that accelerates and transforms technical skills and builds expertise in FDP techniques, tools, and workflows that are needed to address field development challenges.
NExT Integrated Field Development Program

The program is designed for
- reservoir engineers
- production engineers
- geoscientists
- managers
- drilling engineers
- finance analysts
- individuals involved in FDP projects.

Overview

Field development is becoming much more complex and expensive, so getting it right the first time is critical. NExT integrated field development plan (FDP) training has been designed to take participants through a series of structured workflows and procedures as well as develop their understanding of the overall aspects and applications of an FDP.

Each of our three FDP programs provide the opportunity to learn fundamental approaches in developing and working an FDP. Each incorporates the latest technologies and software to enable designing a suitable, long-term, and profitable development strategy.

NExT FDP training programs are flexible and adjustable to individual needs and knowledge, and all include in-class workshops and hands-on practical training modules.

All training modules can be completed using public data, proprietary data, or both.

NExT FDP Program Objectives

- Discover concepts with a hands-on approach.
- Learn to plan for the newly appraised oil fields by engaging in different financial and reservoir development scenarios.
- Understand the need for continuously updating the reservoir development plan during the different stages of the reservoir or field life.
- Learn how to build static and dynamic models in the Petrel platform.
- Carry out studies of rock and fluid properties, reservoir productivity, reserves, history matching, and well testing.
- Develop an understanding of drilling, production, and surface facilities processes.
- Identify and manage uncertainties and risks in terms of reservoir properties, well locations, completions, and production optimization.
- Cultivate skills essential to developing an economically viable FDP.
NExT FDP: Comprehensive

- Lasts 18 weeks
- Integrates all disciplines
- Teaches static modeling and dynamic modeling in 12 weeks
- Includes fundamentals and reservoir-engineering modules of the Petrel platform
- Covers three separate development scenarios

WEEK 1

WEEKS 2–7

WEEKS 8–13

WEEKS 14–18

- Orientation and Introduction to FDP (5 days)
- Integrating Geology, Geophysics, and Petrophysical Data and Creating a Static Model (25 days)
- Volumetrics (5 days)
- Well Test Analysis (5 days)
- Fluid Properties and Phase Behavior (3 days)
- 3D Reservoir Modeling and Upscaling (7 days)
- Reservoir-Model Calibration and History Matching in the Petrel Platform (10 days)
- Well Placement and Production Optimization (5 days)
- Development Scenarios (15 days)

Classroom instruction
- 5 weeks

Practical training
- 13 weeks

- Introduction to Drilling, Well Design, and Completions (2 days)
- Introduction to Surface Facilities (1 day)
- Introduction to Petroleum Economics (2 days)
- Financial Analysis of Development Scenarios (1 day)
- Report Documentation and Presentation (4 days)
NExT FDP: Accelerated

- Lasts 8 weeks
- Features main components of NExT FDP: Comprehensive program
- Teaches static and dynamic modeling using field data
- Covers fundamentals and reservoir-engineering modules of the Petrel platform
NExT FDP: Rapid

- Lasts 4 weeks
- Was developed for non-FDP professionals, managers, or both
- Features main components of the NExT FDP: Accelerated program

- Orientation and Introduction to FDP (1 day)
- Understanding Workflows and Creating a Static Model (5 days)
- Volumetrics (1 day)
- Fluid Properties and Understanding the Importance of Phase Behavior (1 day)
- Well Test Analysis (2 days)
- 3D Reservoir Modeling and Upscaling (0.5 day)
- Reservoir Model Calibration and History Matching (2 days)
- Well Placement and Production Optimization (1.5 days)
- Development Scenarios (3 days)
- Financial Analysis of the Development Scenarios (1 day)
- Report Documentation and Presentation (2 days)
ABOUT NExT

NExT, a Schlumberger company, provides training, competency and professional development services for the oil and gas industry. With a portfolio of over 700 courses, training programs, and competency services covering technical and software skills, NExT, assists in developing the petrotechnical expertise needed to meet today’s increasingly complex industry challenges. NExT was awarded the Getenergy’s ‘Localization Award’ in 2016, after three consecutive year wins of ‘Education and Training Provider of the Year’.

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

NExTtraining.net