

Introduction to the E&P Business (5 days)

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Business Context:

New and administrative staff in the oil & gas business, or staff in organizations working with the oil industry, often has insufficient understanding of the "upstream" part of the business. This course provides a full overview of exploration for hydrocarbons, field development and operations, processing and transportation of oil and gas. The history of the business, project economics and global and political issues are also discussed.

Who should attend:

New technical staff and administrative staff in the oil & gas business and staff in organizations working with the oil industry (investment banks, service industry).

Content of the program:

- History of the oil industry, current issues.
- Geological concepts, global distribution of hydrocarbons, nature and geometry of hydrocarbon reservoirs.
- Methods and tools used for hydrocarbon exploration, including drilling.
- Static and dynamic models of reservoirs, how to assess amounts of hydrocarbons-inplace and its uncertainties.
- Field appraisal and development, surface engineering and field operations.
- Project economics. Environmental issues.

Learning, methods and tools:

At the end of the course participants will have a good but general understanding of the 'upstream' oil and gas business: how hydrocarbons are found, developed, produced and treated prior to sales. Participants will work in teams on an actual field case, and will go through all steps that lead to an economic development.