Upstream Oil & Gas Asset Management

Introduction:

The vibrant upstream oil and gas industry is investing large amounts of capital, and investment which will lead to huge payouts in the future. Asset management is challenge that remains and how to improve production output and oil recovery factors given the current environment and impending risk.

The management of upstream assets is driving growth, maximize profit and minimize risk to achieve the most profitable return from the management of the asset over its lifetime.

This training course will explain upstream asset management to develop your ability to manage asset effectively.

This training course will highlight:

- Overview of upstream asset management
- HSE issues and energy project investment analysis
- Exploration and appraisal well decisions
- Field development decisions
- Asset optimization

Who Should Attend?

Upstream Oil & Gas Asset Management, training course suitable to a wide range of professionals but will greatly benefit:

- Asset Managers
- Operation Managers
- Engineers
- Planning Managers
- Contract Managers
- Financial Managers
- HSE Managers
- Team Leaders & Supervisors
- All personnel involved with upstream

Course Objectives:

This training course has five key objectives:

- Learning about scope of upstream asset management and integration
- Understanding HSE issues and creating project investment analysis
- Determining decision in exploration and appraisal of well
- Determining decisions in field development
- Explaining asset optimization

Training Methods:

Participants to this training course will receive a thorough training on the subjects covered by the seminar outline with the Tutor utilising a variety of proven adult learning teaching and facilitation techniques. Seminar methodology includes classroom-style with highly interactive, exercise and case studies the training course will be run using PowerPoint slide and video.

Organizational Impact:

The organizational impact will be demonstrated by the employees participating in this training course:

- Understanding upstream asset management to support company objective
- Developing of a skilled workforce to create project investment analysis
- Understanding the issues of HSE to mitigating the risk
- Developing the ability to make decision
- Optimizing assets helps to drive growth and profitability

Personal Impact:

Upon completion of this training course, participants will gain:

- Knowledge of the upstream asset management
- Create project investment analysis
- Be proactive in identification of risk sources
- Improved skills in decision making in upstream operations
- Enhance their knowledge to minimize risks
- Develop their ability to optimize upstream assets

Course Outline:

Day One: Overview of Upstream Asset Management

- Overview of the oil, gas and power value chains
- Scope of upstream asset management
- Integration with downstream assets and markets
- Differences between oil and gas markets
- Market opportunities identified for production

Day Two: HSE Issue and Energy Project Investment Analysis

- Considerations of health, safety and the environment on the upstream asset
- Sustainable development issues
- Time value of money
- Present value of net cash flow
- Internal rate of return
- Sensitivity analysis

Day Three: Exploration and Appraisal Well Decisions

- Preparation of the well plan for the exploration and appraisal wells
- Selection of sampling and evaluation methods
- Preparation of AFE
- Submission of application for drilling permit
- Issuance of RFP for drilling services
- Review of bids and selection of contractors

Day Four: Field Development Decision

- Prepare geological model and estimate resources
- Prepare drilling and well completion plans
- Prepare reservoir model
- Predict reservoir performance under natural depletion
- Enhanced recovery and artificial lift natural drive mechanisms

Day Five: Asset Optimization

- Infrastructure development decision
- Analyze crude oil markets
- Analyze natural gas markets
- Analyze gas liquids markets
- Decisions during the producing life of the field