# Artificial Lift Optimization

**Course Price**

£3250

**Course Description**

This 5-day course emphasizes the role of engineers and field operators in planning and executing Artificial Lift Operations to optimize field production and thus add to the profitability and recoverable reserves. It also emphasizes the significance of the team concept as a factor in optimizing operations success. The course is highlighted with open discussions and problem solving shared by the instructor and participants.

By the end of this course, attendees will have a working knowledge of the industry's advanced technologies in field of designing and installing artificial lift systems in their respective operations. They will have knowledge of selecting the appropriate type of Artificial Lift for a particular application.

**Course Objectives**

To provide an in-depth knowledge of the theoretical and practical aspects of Artificial Lift optimization. At the end of the course delegates will learn about the many methods involved Artificial Lift, about Artificial Lift equipment, how to design an Artificial Lift system, and how to install a system.

**Who Should Attend**

Drilling, completion, workover and production engineers and managers. Reservoir and geology engineers, field maintenance supervisors and operators. Service companies and equipment manufacturing engineers. Safety engineers and personnel selected by their companies for attending special training courses.

**Course Content**

- **Reservoir Pressure and Well Productivity**
- **Reservoir Fluids**

• **Long-Term Reservoir Performance and Facility Constraints**
• **Types of Artificial Lift**
o Sucker-Rod Pumping
o Electrical Submersible Pumping
o The PCP and the Electrical Submersible Progressive Cavity Pump
o Hydraulic Pumping
o Gas Lift
o Intermittent Gas Lift
o Other Lift Methods
• **Selection Methods**
o Selection by Consideration of Depth/Rate System Capabilities
o Selection by Advantages and Disadvantages
o Selection by Expert Programs
o Selection by Net-Present-Value Comparison
• **Sample Run-Life Information**
• **Conclusions**

**Day 1**
• Introduction
• Reservoir Pressure and Well Productivity
• Reservoir Fluids
• Long-Term Reservoir Performance and Facility Constraints

**Day 2**
• **Types of Artificial Lift**
o Sucker-Rod Pumping
o Electrical Submersible Pumping
o The PCP and the Electrical Submersible Progressive Cavity Pump
o Hydraulic Pumping
o Gas Lift
o Intermittent Gas Lift
o Other Lift Methods

**Day 3**
• Types of Artificial Lift (Continued)

**Day 4**
• **Selection Methods**
o Selection by Consideration of Depth/Rate System Capabilities
o Selection by Advantages and Disadvantages
o Selection by Expert Programs
o Selection by Net-Present-Value Comparison

**Day 5**
• Sample Run-Life Information
• Conclusions

**CPD Unit**

**Continuing Professional Development**

35 hours CPD