



First Select

Artificial Lift System

Date	Venues	(\$Fees	Book your seat
21 Dec -25 Dec 2025	Jakarta	3300	Register Now

Objectives:

1. Make basic PVT properties and inflow performance calculations related to artificial lift
2. Understand and apply multiphase tubing and pipe flow principles
3. Select the appropriate artificial lift system
4. Compare systems to determine what system is most economically feasible
5. Specify components and auxiliary equipment needed for each system
6. Know what best practices are available to extend the life of equipment and installed lift systems
7. Apply basic design and analysis concepts
8. Design system features that allow for gassy production, production with solids, viscous production, and for other harsh environments

Who should attend?


Engineers, technicians, field supervisors, and others who select, design, install, evaluate, or operate artificial lift systems


Course Outline:


- Overview of artificial lift technology
- Criteria for selection of artificial lift system
- Reservoir performance: inflow and outflow relationships
- Artificial lift screening
- Introduction to rod-pumping, gas lift, and ESP systems
- Rod-pump design: pumping unit, rods, pump, prime movers, gas anchor, pump-off controls
- Gas lift design: mandrels, valves, injection gas requirements, temperature, chokes, spacing, equilibrium curve, continuous flow design
- ESP design: pump performance curves, pump intake curves, typical problems, installation, troubleshooting
- Best practices for installation and maintenance
- Economic analysis

WORKSHOP STYLE:

This will be a participative workshop with a mix of interactive learning sessions, exercises and discussions aimed to provide maximum impact and learning retention for all delegates.

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