

Fundamentals of Pumps Design and Selection



About the speaker

Khamis Sultan

- Principal Rotating Equipment Engineer
- B.S Mechanical Engineering, 1996

Mr. Khamis is a professional Rotating equipment engineer with 25 years' experience in Rotating equipment engineering in mega and complex projects in oil and gas sector. He has strong theoretical and practical background in the field of thermodynamics and rotating machinery.

Khamis worked for national and international companies in oil and gas field in Gulf and MENA region. He was assigned as a general mechanical coach and advisor for graduate development program in one of shell operation companies. He is also a certified energy manager and assigned as a speaker in many rotating equipment conferences.

Course Overview



Course Duration:
5 Days

By the end of the course the trainee will be able to fully understand: Pumping system hydraulics, All type of pumps that used in oil gas sector and its construction details, Pump selection procedure, Cavitation phenomena and General piping requirements for pumping system design.

Course Contents

- Introduction
- Pumps hydraulics
- Classification of pumps
- Pumps Selection
- Centrifugal Pumps
- Cavitation
- Reciprocating Pumps
- Screw Pumps
- Progressive Cavity Pump
- Gear pumps
- Lobe pumps
- Piping design consideration
- Pumping system

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