

# Pumps Technology: Design, Engineering, Operation and Troubleshooting

6th - 9th June 2023

14th - 17th August 2023

Kuala Lumpur (In Person) / Online Training

## Major Benefits of Attending

By end of this course, delegates will be able to: -

- **Understand** design features and function of each component of pumps
- **Improve** capability of RCFA and reliability of pumps and hence the pumping system where they are installed
- **Learn** pumping system and how the pump is reacting with it
- **Learn** API 610 standards of centrifugal pumps, learning how pump is specified in data sheets, and how it is tested for acceptance

## Training Methodology

There is a pressing need to improve the knowledge and skills of those operating and maintaining pumping systems as they consume energy and resources. If they are unreliable or poorly operated, then the use of resources will increase tremendously.

Selection and sizing of pump play important role in reliable operation during the whole life of the pump. Hence, engineers who are involved in pump selection should be equipped with the necessary knowledge and how the pump is reacting with its system, aiming to operate the pump efficiently

Pumps Technology training course will combine presentations with instructor-guided interactive discussions between participants relating to their individual interests. **Troubleshooting exercises, video material and case studies** aimed at stimulating these discussions and providing maximum benefit to the participants will support the formal presentation sessions.

During the course, and whenever applicable, a carefully selected collection of relevant videos shall be demonstrated, enhanced with clear explanation by the instructor.

All participants are encouraged to bring their site problems of pumps for discussion.

## Course Methodology

**Client has the option to choose to participate either below method.**

**Online Training :** *This course will be conducted via Zoom.*

**Marriot Group Hotel:** *This course will be conducted at the hotel with the trainer on site. Participants will need to bring their own laptop. Lunch/Dinner and 2 networking breaks will also be provided.*

## Who Should Attend?

- All discipline engineers, especially mechanical and reliability engineers who are involved in operation and maintenance; and root cause failure analysis (RCFA) of pumps
- All project engineers who are involved in approving the specifications as documented in data sheets, and selection of pumps as per API 610 standards
- Supervisors and senior technicians who are involved in operation and maintenance of pumps
- Others who are interested to learn about pumps

Organized by:



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