

Training - 360° Training Action - Centrifugal pumps



60000295-EN-E



E-Learning



1 hour 15 min

This training allows you to develop knowledge about centrifugal pumps, their operation and the associated common operations

Public

- Operational staff (technician or engineer) on the field or in technical support.

Objectives

Attendees will be able to implement the following skills:

- recognize the key components of centrifugal pumps: pump, motor, mechanical seals, lubricating systems
- describe the function of each of these components and their criticality
- know the different types of centrifugal pumps and their industrial applications
- understand the operating principle of a centrifugal pump and master the concepts essential to their operation: head, performance curves, optimal point of operation, NPSH required and available
- know how to operate a centrifugal pump safely; pre-start checks, start-up steps, follow-up of equipment in the normal operating phase (routine actions), equipment shutdown
- explain common problems potentially encountered in operation, characterize them, and describe the corrective actions to implement: cavitation, rotating in the wrong direction, performance losses, mechanical problems
- understand the principles and know how to implement a pump change-over operation

Pedagogical & technical resources

- Case Studies and Industry REX
- Interactive pedagogy
- Immersive session with 360° images

Assessment of achievements

- Entry and exit quiz

Prerequisites

No prerequisites are necessary to follow this course

Responsible

TotalEnergies Learning Solutions trainer, with expertise in the field and trained in modern teaching methods adapted to the specific needs of learners from the professional world

Program

DESCRIPTION

Positioning at the entrance of the course.

Technical knowledge of equipment in their industrial environment.

Operational practices in operation.

How to implement a pump swapping operation in an industrial environment?

Evaluation.

Please contact our disabled persons referent to check the accessibility of this training program:

tls-handicap@totalenergies.com