

Training - Metallic materials and corrosion in refineries - Petrochemicals



50566970-EN-P



Face-to-face only



3 days

This training provides participants with an in-depth understanding of metallic materials and corrosion phenomena in the specific context of the refinery and petrochemical industry

Level

Knowledge

Public

- Engineer and OETAM in the fields of Operation, Maintenance, Inspection, Process, Engineering, Instrumentation, TD

Objectives

Attendees will be able to implement the following skills:

- list The essential Data on metallic materials (nature and mechanical behaviour)
- identify The basics of corrosion of metallic materials
- name The different types of corrosion

Pedagogical & technical resources

- Structured theoretical contributions to lay the scientific foundations
- Practical illustrations via concrete cases from refining and petrochemicals

Assessment of achievements

- 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

Presentation of metallic materials: comparison with other types of materials, mechanical properties and behaviour in industrial environments.

Basic principles of corrosion: mechanisms, influencing factors and typologies.

Practical applications: study of common degradations in refining and petrochemical units.

Non-destructive testing: introduction to techniques for detecting and quantifying degradation.

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

tls-handicap@totalenergies.com