

Training - Corrosion in hydroprocessing units



50145306-EN-P



Face-to-face only



2 days

This training strengthens the skills of professionals in the identification, analysis and control of corrosion phenomena specific to hydroprocessing units

Public

- Engineers and staff in operation, inspection, in the Hydroprocessing environment

Objectives

Attendees will be able to implement the following skills:

- identify and locate specific corrosions in a hydroprocessing unit
- apply the parameters influencing corrosion
- estimate the rate of corrosion or its potential evolution
- implement solutions to monitor, limit or stop corrosion
- evaluate the consequences of changes (process, product, material)

Pedagogical & technical resources

- Active and participatory pedagogy
- Learning by doing (concrete cases and scenarios)

Assessment of achievements

- Quiz

Prerequisites

Have watched the 3 videos (MOOC) on hydrotreatment

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

Introduction to the fundamentals of corrosion: definitions, morphologies, influencing factors.

Reminder on hydroprocessing units: operating principles, typologies (HDT, HDS, DHC), service conditions.

Corrosion typology: dry corrosion: HTHA, H₂S/H₂, HV sulfidation, wet sulfidation: polythionic acids, salt deposition corrosion (NH₄HS, NH₄Cl), aqueous NH₄HS corrosion, wet H₂S.

Practical case studies: implementation of proper practices in design, operation, stop/start.

Monitoring and control: daily monitoring (sampling, process parameters), adaptation of process conditions according to corrosion risks, risk anticipation in HAZOP and MOC approaches.

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

tis-handicap@totalenergies.com