



DIGITAL SOLUTIONS

RBI ONSHORE TRAINING ACCORDING TO API 580/581

Course code: SY-10

Duration: 4 days

Prerequisite:

This course is suitable for new users and for more experienced users who have not attended a formal training course or would like a refresher course.

A working knowledge of asset integrity management for new or ageing pressure and process equipment and piping is recommended. Alternatively, experience of design, fabrication, operation or maintenance of pressure systems and associated codes/standards is recommended.

DESCRIPTION

The training course will include an in-depth understanding of the RBI methodology according to API 581, hands-on exercises and practice on a case study using the Synergi Plant onshore software.

The following topics are covered:

- API 580/581 Methodology
- Probability of Failure and consequence of failure calculation background
- Data gathering and organization
- Risk calculation and interpretation of results
- Formulation of inspections plans
- Process plant RBI case study to apply acquired knowledge

The Synergi Plant RBI Onshore software will be used throughout for hands-on examples and the case study.

LEARNING OBJECTIVES

This API 581 course will help you apply RBI technology using the Synergi Plant RBI Onshore software. Upon completion of the course you will be able to do detailed risk calculations and produce an optimized inspection plan based on typical pressure vessels, heat exchangers, piping and pressure relief devices.

TARGET GROUP

The course is aimed at the downstream and midstream onshore refining, petrochemicals, and gas processing industries. It is suitable for integrity, materials or corrosion engineers, non-destructive testing engineers and in-service inspectors, plant and maintenance engineers and planners; and associated engineering contractors and consultants.