DIGITAL SOLUTIONS

MAROS TRAINING

Course code: MA-01
Duration: 2 days

Prerequisite:
This course is suitable for new users who should preferably have a basic understanding of Reliability, Availability and Maintainability (RAM) analysis applied to the process industry. The course is also suitable for more experienced users who have not attended a formal training course or would like a refresher course.

DESCRIPTION

The course provides extensive guidance on how to use Maros to perform a range of analyses from a basic to a more advanced Reliability, Availability and Maintainability (RAM) study. All the key aspects of typical upstream asset evaluation and optimisation studies are covered.

Some of the topics included are:

- Introduction to reliability theory and RAM analysis
- Overview of Maros modelling approach
- Construction of practical examples such as oil production system, gas network and normally unmanned facility
- Sensitivity analysis (what-if scenarios) to evaluate alternative design configurations, operational strategy, maintenance philosophy and life-cycle cost analysis (LCC)
- How to perform an effective Maros analysis

LEARNING OBJECTIVES

The aim of the course is to explain the dynamic simulation concept used by Maros and understand the main features and functionality. You will be required to practise and apply your newly acquired knowledge of the software through extensive exercises. Upon completion of this course you should be able to scope, create and run a RAM analysis, produce results and investigate their meaning.

TARGET GROUP

Users who need to carry out and/or understand the output of RAM analysis and Asset Evaluation & Optimisation Studies in the upstream sector of the oil and gas industry.