



 **cenosco**

Cenosco Asset Integrity and Reliability Tool Training

IMS PEI

A four-day tool training or a two-day refresher training

The four-day training is an intensive program that covers the main features of IMS PEI tool. It also covers the theory behind an Asset Integrity Management System related to corrosion monitoring, inspection processes, Risk Based Inspection (RBI) methodology and data analysis.

The two-day refresher training covers most of the same topics as the four-day, but with more in-depth understanding of features, calculations, data analysis – together with more complex hands-on exercises.

Topics covered:

- How to find your way in IMS PEI tool (interface, hierarchy, settings)
- Import/export features
- SAP Interface
- Reporting
- Schedules & Condition History
- Circuits, Corrosion Calculations
- Condition Monitoring Location
- Measurement Set / Work Pack
- Trending and Corrosion Analysis
- Data Scatter Compensation Factor
- Percent Examination Required Factor
- Corrosion Loops
- RBI Components
- Failure Modes
- Corrosion Management Framework
- Tank, RV and other equipment
- Hands-on Exercises
- Final Test

Learning objectives:

To provide candidates with an introduction to the philosophy, theory and practical experience needed to manage the physical integrity of assets, using IMS PEI software.

Upon completion of this training, the user should be able to add his own equipment to IMS PEI, add the required data, run RBI Assessments, monitor corrosion, manage inspections and add inspection results and perform the data analysis.

Target group:

The training is tailored for all potential and current user groups of IMS PEI software, such as Integrity/Inspection/Maintenance Managers, Inspection Engineers, Field Inspectors, RBI Engineers.

IMS RCM

A three-day tool training

A three-day Reliability Centered Maintenance training is focused on the IMS RCM tool that is essential for any industry that requires reliable and cost-effective performance of their assets. The program of the training is based on fundamental engineering concepts necessary to determine appropriate preventive maintenance requirements and other failure mitigation strategies with the help of the IMS RCM tool.

Topics covered:

- How to find your way in IMS RCM tool (interface, hierarchy, settings)
- Identifying operating risk
- Failure modes, effects, and criticality analysis
- Run-to-failure strategies
- Equipment criticality analysis
- Parts failure initiation

Learning objectives:

To provide candidates with an introduction to the philosophy, theory and practical experience needed to implement and perform RCM analyses using IMS RCM software.

Upon completion of this training candidates will understand the concepts and processes required to perform a risk-based RCM analysis.

Target group:

The training is tailored for all user groups of IMS RCM software, such as:

- Senior Management
- Resource Managers and Risk Managers
- Middle Management including engineers, senior technicians, maintenance and operations supervisors
- Plant or Equipment Operators and Maintainers
- Risk-based RCM facilitators

SIFpro

A two-day tool training

A two-day SIFpro training for safety professional engineers is focused on efficient utilization of the tool together with recommended engineering practices for the application of safety instrumented functions being fully compliant with IEC 61508/61511.

Topics covered:

- How to find your way in the SIFpro software
- How to do a SIFpro assessment
- How to build up a SIFpro design
- How to optimize test intervals
- Getting your data out of SIFpro via dashboarding, reports and export

Learning objectives:

The main objective of this training is to give engineers, professionals, and specialists involved in safety instrumented systems the opportunity to learn the fundamentals of functional safety and the requirements of the functional safety standard IEC 61511 in reference to the IEC 61508 standard.

Target group:

The training is tailored for all potential and current user groups of SIFpro software, working directly or indirectly with Functional Safety and SIL for Safety Instrumented Systems, such as engineers, professionals and specialists involved in safety instrumented systems.

IMS PLSS

A three-day tool training

Our three-day IMS PLSS tool training is designed to be undertaken by any officer with responsibility for pipeline inspection and maintenance. Together with in-depth tool understanding, the training covers the effective identification, inspection, and maintenance of pipes and piping systems.

Topics covered:

- How to find your way in IMS PLSS tool (interface, hierarchy, settings)
- Design data
- FFS theory (Fitness For Service, assessment code original ASME B31G, modified ASME B31G, DNV-RP-F101)
- Internal corrosion
- External corrosion
- Risk-Based assessment
- Sensitivity
- Remedial action
- Pipeline elements
- Dashboard software
- Reporting software
- Hands-on Exercises

Learning objectives:

Upon completion of the training, the user should be able to add his own pipelines to IMS PL, add the required data and perform the data analysis in the tool.

Target group:

The training is specifically tailored for pipeline engineers and officers with responsibility for pipeline inspection and maintenance.

IMS FCM

A one-day tool training

A one-day IMS FCM tool training will be useful for any officer with responsibility for flange inspection and maintenance. This small but powerful IMS module will warrant a structured approach to the assembly and dismantling of (critical) flanges.

Topics covered:

- High-level overview of FCM
- Basics – Introduction User Interface
- Hierarchy in FCM
- Flange FLOC and equipment
- Flange specs
- Exercise add FLOC, Equipment
- Creating and assigning jobs
- Job approving
- Closing jobs with condition history
- Approving condition history
- Printing protocols and labels
- Hands-on Exercises

Learning objectives:

We are going to explain the navigation and core functionality of the software and we are going to use the FCM test database for training purposes to get you up and running in no time. The training is divided into different modules that will help you acquire basic knowledge about each topic. The goal of the training is to help you to successfully use YOUR flange connection management program. By the end of this class you should be able to understand the major updates and perform tasks needed in FCM.

Target group:

The training will be useful for any officer with responsibility for flange inspection and maintenance.

On-site training?

A training at your own location is also an option!

Every customer is unique, at Cenosco we do not believe in a one-size-fits-all solution. Our customers realize the value of bringing training on-site to their facilities. With Cenosco on-site tool training, you choose the time and place and we'll be there with our customized training solution tailored to your organization's unique needs.

Benefits of on-site training:

- Training curriculum may be modified to your organization's specific needs
- Flexible scheduling
- Reduce expenses through group training
- Save time and travel costs
- Employees remain on-site with the ability to address immediate concerns

For more information regarding schedule, availability and pricing please visit [our training page](#) or contact sales@cenosco.com



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