

SAFETY OFFICER QUALIFICATION PROGRAM



The course:

Many organizations in the Middle East do not implement the latest relevant International Safety Standards for machinery, work equipment and for the design of control and protective systems with safety-related functions. **This program is intended to updated participants with the most relevant up-to-date and International Standards in the field of Safety Technology.**

In this seminar you will learn how to:

- **Update** your skills on modern European and International concepts of machinery and work equipment safety Standards and specifications.
- **Familiarize** you with the risk-based approach to construction safety and contract work.
- **Improve** experience in the application of reliability technology for the selection of appropriate Safety Integrity Levels for protective and safety systems in accordance.
- **Ensure** consistent optimization of resource allocation for production, maintenance and safety, based on risk and cost-benefit analysis.
- **Provide** practitioners with a route for gaining qualifications in safety technology.
- **Improve** your practical application of reliability and risk assessment techniques to new projects and existing machinery/systems

Who should attend?

- Technical personnel involved in project work
- Personnel involved in construction activities
- Mechanical, electrical, instrumentation, maintenance, design and technical personnel.

Course goals:

Participants attending the program will:

- **Update** knowledge on modern concepts of machinery and work equipment safety based on the latest International machinery safety standards
- **Develop** a clear understanding of machinery and work equipment risk assessment techniques
- **Review** the role of modern concepts for the design of fluid power machinery and systems.
- **Develop** experience in the application of reliability technology for the selection of appropriate Safety Integrity Levels for protective and safety systems in accordance.
- **Develop** adequate level of skills for construction safety plans and project work.
- **Describe** the consequences and mechanism of fire, explosion and toxic releases.
- **Provide** practitioners with a route for gaining qualifications in safety technology
- **Emphasis** throughout the course will be placed on the practical application of reliability and risk assessment techniques to new projects and existing machinery and processes.

The results:

In addition to the professional development of staff, the organization should be able through staff competency to keep up to date with the latest International technical standards for machinery safety and control/protective systems.

Course Benefits:

Attendees will be able to apply skills learnt from this training at a practical level to implement the latest relevant standards to machinery safety, protective systems design and construction safety.

The process:

Participants will learn by active participation during the program through the use of exercises, syndicate and group discussion, training videos and discussions on relevant types of accidents and "real life" issues in their organizations.

The program aims to provide hands-on experience in the application of the risk-based approach to safety engineering. All aspects of machinery safety, including hazard identification and latest European and International Standards as well as construction hazards are covered by this seminar. Attendees will also be familiar with the application for the selection of appropriate Safety Integrity Levels for protective systems design and reliability. Assessment of the consequences of major hazards in the oil and gas industry will be introduced, including familiarity with the latest commercial software for consequence modeling.

DURATION:

5 Days.

Course Certificate:

MSTC certificate will be issued to all attendees completing minimum of 80% of the total tuition hours of the course.

Training Methodology:

1. Lecture Topics and Handouts, Power Point Presentation for each session.
2. Expert tutor input using power points.
3. Delegate discussion and involvement.
4. Case studies, success examples & class room exercises.
5. Supportive comprehensive course manual enabling practical application and reinforcement.
6. Workshops Topics and Handouts, Power Point Presentation for each session.

INTERNATIONAL SPEAKERS:

Delivering information through knowledge & experience obtained by renowned international speakers is one of the effective tools adopted by **MSTC**.

ON SITE TRAINING:

- ✓ Customize the training program to your workplace.
- ✓ Conduct the training program when & where you need it.
- ✓ Save more than 50% by conducting **MSTC** training workshop at your premises.

To request full detailed outlines, instructor's profile or any information about registration, please don't hesitate to contact us at:

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