



FE170: Welding and Cutting Training

Training Description:

This intensive training course helps an organization implement effective, safe work practices to protect its employees from welding hazards. The training course makes the participants aware of inspecting welding equipment and ensuring workers know safety precautions before performing welding activities to minimize the risk of health and safety injuries. The welding process is associated with several hazards to health and safety. This training course helps organizations prevent significant accidents, achieve their obligations, and fulfill legal requirements and Operational Control requirements of ISO 45001:2018.

Training Objectives:

By the end of the training, participants will be able to understand:

- ✓ The dangers and harmful situations
- ✓ Hazards and OHS risk related welding process
- ✓ Safe operation practices
- ✓ Safe welding rules

Training Designed for:

This course is intended for Technical Personnel in charge of production, Maintenance and Operation Engineers, Operators, Supervisors and Engineering Managers.

Training Requirement:

“Hand’s on practical sessions, equipment and software will be applied during the course if required and as per the client’s request.”

Contents can be adapted to your specific wishes. It is therefore possible to focus on specific modules of the training course as per client’s learning needs and objectives. Further, it should be forwarded to us a month prior to the course dates.

Training Program:

FIVE DAYS:

- ❖ Introduction to welding safety
- ❖ Key Terms and Definitions
- ❖ Types of welding
- ❖ PPE requirements for welders and non-welders
- ❖ Categories of combustible materials
- ❖ Types of hazards
- ❖ Prevention guidelines
- ❖ Information about hot work permits
- ❖ Risks including contact burns, radiation, and welding fumes
- ❖ Operational control and practices
- ❖ Welding Best Practices and Precautions
- ❖ Backfire and Flashback
- ❖ Ventilation Requirements in Confined Space
- ❖ Hazard Communication
- ❖ Medium and heavy cutting
- ❖ Overhead operations

- ❖ Knowledge checks to measure your understanding
- ❖ Requirements for Emergency Management
- ❖ Safety welding program
- ❖ Supervisor and management responsibilities
- ❖ Case studies
- ❖ Practical Session – 4th day
- ❖ Course Conclusion
- ❖ POST-ASSESSMENT and EVALUATION

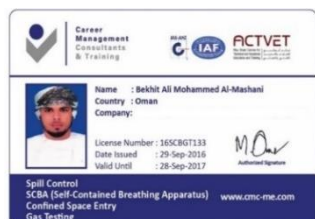
Training Methodology:

This interactive training course includes the following training methodologies as a percentage of the total tuition hours:

- 30% Lectures, Concepts, Role Play
- 70% Workshops & Work Presentations, Techniques, Based on Case Studies & Practical Exercises, Gamification, Software & General Discussions
- Pre and Post Test

Training Certificate(s):

CMCT Internationally recognized certificate(s) and wallet card(s) will be issued to each participant who successfully completed the course and passed the exam at the end of the course.



Training Fees:

TBA as per the course location - This rate includes participant's manual, hand-outs, buffet lunch, coffee/tea on arrival, morning & afternoon of each day.

Note: The 5% VAT (Value Added Tax), will be effective starting 01st of January 2018 as per the new regulation from the UAE Government. The VAT applies for all quotation both for local and abroad.

Training Timings:

Daily Timings:

- 07:45 - 08:00 Morning Coffee / Tea
- 08:00 - 10:00 First Session
- 10:00 - 10:20 Recess (Coffee/Tea/Snacks)
- 10:20 - 12:20 Second Session
- 12:20 - 13:00 Recess (Prayer Break & Lunch)
- 13:00 - 14:00 Last Session

For training registrations or in-house enquiries, please contact:

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