

Training Title

WELDING & FABRICATION THEORETICAL & PRACTICAL TRAINING

Training Duration

5 days

Training Certificate

Define Management Consultants Certificate of course completion will be issued to all attendees.

Training Venue and Dates

Ref WC050	Welding & Fabrication -Theoretical & Practical Training	5	09 – 13 Sept '18	\$4,250	Dubai
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Training will be held at any 5 star hotels.

Training Fees

4,250 US\$ per participant for Public Training includes Materials/Handouts, tea/coffee breaks, refreshments & Buffet Lunch

TRAINING DESCRIPTION:

This course addresses all aspects critical to understanding the fundamentals of welding related to welding fabrication, including quality systems and non destructive examination. It contains the technical information that the personnel in the area must know to perform their jobs properly.

WHO SHOULD ATTEND?

Welding Managers/engineers/supervisors/technicians
Quality Control Managers/engineers/supervisors/technicians
Quality Assurance personnel
Production / Project managers/engineers
Design managers/engineers
Sales & Marketing managers/engineers

COURSE OBJECTIVES

- Understand the fundamentals of welding technology
- Apply national and international standards and codes to achieve required quality

- Specify, qualify and implement weld procedures to required standards
- Recognize welding quality control elements before, during and after welding
- Select the right welding process, weld consumables and joint design for improved productivity and achieving right quality
- Identify welding imperfections and take corrective action for prevention
- Identify advantages and limitations of destructive and non destructive methods

OUTLINE

- ★ Weld quality standards & Codes governing welding/fabrication/inspection and testing
- ★ Welding metallurgy & material Selection
- ★ Welding processes
- ★ Welding Consumables
- ★ Weld Joint Design & Symbols
- ★ Quality control during manufacturing & Role of welding Inspector
- ★ Weld procedure specification and qualification
- ★ Welder/welding operator qualification
- ★ Welding discontinuities – causes and remedies
- ★ NDT methods
- ★ Case studies, discussions.

Last day Review, Discussions and assessments will be carried out.

TRAINING INSTRUCTOR

ENGR. S.A.VANCHINATH

HIS OBJECTIVES:

Provide value added service and solutions in quality and welding

- Training on quality improvement tools for problem solving. Understanding six sigma, Lean principles and value stream.
- U & I Quality systems for product, service, product + service organization.

- Carrying out Vendor Evaluation and audit of Quality System.
- Third /Second party Inspection on behalf of inspection agencies/consultants/projects & procurement
- E - solutions on welding and allied areas
- Development and qualification of welding procedures for different materials.
- Developing welding process for quality and productivity improvement.
- Technical expertise and support for technical bids submission and evaluation.
- Guidance in selection of welding equipment, consumables for optimizing cost without affecting quality.
- Expertise and Guidance on Repair and Maintenance welding
- Impart training on Welding Application and Technology, codes and standards, quality systems to engineer/supervisor/QA/QC engineers.
- Establishing welding and quality system for mfr., vendors, project sites.
- Guidance in NDT and Heat Treatment.
- Failure analysis and problem solving in welding and metallurgy related fields.

EXPERIENCE: 35 YEARS IN FIELD OF WELDING AND QAC

THERMAX LTD Chinch wad PUNE.

Worked from 1984 – 2005 (21 years) as welding Manager, and followed by General Manager Welding and QAC since 1999.

- ★ Water tube, Smoke tubes Boilers, Fired Heaters, and Chillers.

Construction Martinique the Provence & A.W. Galadari construction, UAE.

Worked as Project Executive & Welding expert, from of 1979 -1984 (5 years)

- ★ Fuel storage and handling system for armed forces.
- ★ Aviation fuel storage system, handling and distribution system for Abu Dhabi international airport.

- ★ Installation of Gas Turbines for Dhaid Power station including of Fuel storage and handling system.

LARSEN & TOUBRO Ltd, Powai Works, Mumbai.

Worked as a welding engineer from 1972 – 1978 (7 years)

- ★ Pressure vessel, Heat Exchangers, Nuclear Equipment's.

AREAS OF EXPERIENCE:

- ★ Welding of pressure Vessels, heat exchangers, Boilers, Piping as per different codes of construction such as IBR, ASME section I , ASME Section VIII , BS EN , Australian Standards, GOST, API , etc. Under various third party inspection agencies such as IBR, LRA, BV, TUV, DNV, EIL, KPG etc.
- ★ Worked on various materials of construction, like MS, AS, SS, INCOLOY, Cupronickel, copper, Titanium. For Creep, corrosion, erosion, wear, sour gas, high temperature, subzero and cryogenic applications.
- ★ Developed new welding procedures for quality and productivity improvement.
- ★ Executed jobs under ASME code stamps, PED directives.
- ★ Established Quality systems for Manufacturing, Vendors, and Project sites.
- ★ Developed vendor evaluation and audit system.
- ★ Imparted training to welding engineers, QC engineers, and production supervisors.
- ★ Carried out selection and recruitment of welders, welding engineers, QA/QC engineers
- ★ Participate in seminars on welding and quality.
- ★ Development and qualification of welding procedure for different material as per code requirements...
- ★ Imparted training to supervisors, engineers, welders for welding application and technology, codes and standards, quality systems.
- ★ Guided in selection of welding equipment, consumable for optimizing cost without affecting quality.

- ★ Failure analysis and problem solving in welding and metallurgy related fields of boilers and pressure vessels

QUALIFICATIONS: ACADEMIC & PROFESSIONAL:

- ★ B.E. Mech. (HONS), University of Madras through College of Engineering Guindy, Madras, Chennai 1972.
- ★ Certificate in production Management and WELDING Technology.
- ★ Silver member of American Welding Society (AWS) since 1978.
- ★ Corporate Representative of Indian Institute of Welding.
- ★ Lead assessor ISO Quality Management System in 1992.
- ★ Black belt in Six Sigma Methodology Through Indians Statistical Institute, Bangalore in year 2000
- ★ Level II certification in RT,PT,MT

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