



Advanced Metallurgy & Welding Technology Sdn Bhd

Lot 908, Jalan Desa Senadin 1A; Off Jalan Maigold,
Desa Senadin Industrial Estate, 98100 Miri, Sarawak
Tel. No. : 085-668178; Fax No. : 085-668179



CERTIFIED WELDING INSPECTOR LEVEL II (BV-CWI) COURSE & CERTIFICATION

Organized by AMW Technology

INTRODUCTION

Advanced Metallurgy & Welding Technology (AMW) is pleased to announce that the Certified Welding Inspector Level II (BV-CWI) Course will be held at AMW Miri Staggering into three (3) weeks in order to cater for their technical personnel from operations and maintenance. The dates have been scheduled as below.

- (1) Session 1: 17th & 18th April 2015**
- (2) Session 2: 24th & 25th April 2015 and**
- (3) Session 3: 8th & 9th May 2015**

This course is specially designed according to a programme of instructions, written examination, hands-on exercises, and materials that have been developed successfully by the external examiner. The examination will be conducted by an accredited representative from the BV examination body. Each course participant will receive a copy of AMW-BV Welding Inspection Course note.

The certification course will serve as a sound refresher in welding inspection, particularly for practising welding inspectors and anyone aspiring to be a Certified Welding Inspector (CWI). The main emphasis is on what a professional welding inspector should know in actual practices. Course participants will undergo a rigorous programme to get the well versed with the welding codes/standards in use, the fundamentals of welding inspectors, and actual hands-on examinations of weld replicas with various inspection techniques and tools.

Emphasis in industry on better quality work, code of practice, safety standards and reduced downtime of capital intensive equipment and manufacturing plants has resulted in a growing demand for Certified Welding Inspectors. AMW therefore urges all QA personnel and welding inspectors who have not been formally certified to upgrade and enhance their certified professional qualifications.

OBJECTIVES

The aim of the certified welding inspector course is to provide that candidates with a complete theoretical and practical understanding of the process control checks and report writing requirements needed to be able to carry out a range of welding inspection tasks and to prepare candidates for certification examinations.

With theoretical and practical aspects of the course offered during the training, attendees can confidently carry out visual inspection on parent material and welding consumables, identify weld qualities and imperfections, understand of welding technology related welds and welding processes, access the welds confidently as per the relevant welding codes and able to submit well-structured writing reports in accordance to specific acceptance criteria.



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WHO SHOULD ATTEND

All technical personnel as highlighted below, whose responsibilities are in making decisions, exercising of judgment concerning welding operations in the following industries are encouraged to join this technical course.

Technical Personnel: *Welding Engineers & Inspectors, Field & Production Engineers, Planning & Equipment Inspectors, Maintenance & Safety Engineers & supervisors, Design, Manufacturing, Mechanical & Inspection Engineers, Factory, Fabrication & Engineering Mangers, Quality Control Engineers & Supervisors and Quality Assurance Engineers & Supervisors*

Relevant Industries: *Oil & Gas, Manufacturing, Petrochemical, Power Generation & Power Stations, Shipbuilding/Ship Repair & Construction, Offshore Fabrication, Railways, Service & Maintenance and Metal Fabrication.*

COURSE CONTENT

Day	Course Description
1	<ul style="list-style-type: none">• Technical English and Reporting• Welding Inspection and Certification
2	<ul style="list-style-type: none">• Welding Metallurgy for Welding Inspector• Materials and their behavior during welding
3	<ul style="list-style-type: none">• Welding Equipment and their accessories
4	<ul style="list-style-type: none">• Welding Processes; SMAW, GTAW, GMAW, FCAW and SAW
5	<ul style="list-style-type: none">• Review of WPS, PQR and WPQ• Code Book ASME Section IX
6	<ul style="list-style-type: none">• Non Destructive Examination; PT, MT, RT & UT
After 1 Month	<ul style="list-style-type: none">• Written Examination (morning) and Practical Assessment (afternoon)

The course will be conducted by well qualified and experienced specialist in Welding Technology and Welding Inspection.



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PROFILE OF TRAINERS

Mr. Bernard Sim

Bernard Maxmillan Sim is a HRDF certified trainer and a JWES certified Senior Welding Engineer, API 510 Pressure Vessel Inspector, API 570 Piping Inspector, CWB Level III Welding Inspector, CSWIP 3.2 Senior Welding Inspector and Radiographic Interpreter, CSWIP/BGAS Painting Inspector II, ASNT Level II Magnetic Particle Testing, Dye Penetrant Testing and Ultrasonic Testing, Bachelor in Construction Management, Diploma in International Welding Inspector, Diploma in European Welding Inspection Practitioner, Diploma in Mechanical Engineering and Certificate in Petroleum Engineering.

Mr Bernard Sim is currently attached to Bureau Veritas Malaysia as an Industry Manager. Until to-date, he has gained 13 years of working experiences in areas of welding certification, inspection, testing and approval for onshore and offshore structures, marine vessels, modules, process piping, pressure vessels and lifting equipment.

He often gives lectures to in-house shipbuilding and marine surveyors and fabricator quality control personnel. He is conversant with most of international welding codes such as API 577 & 1104, ASME IX, AWS D1.1, ISO15607 & 9606 & 15, BS 287 & 288 etc.

Ir. Dr. Edwin Jong

Ir. Dr. Edwin Jong has graduated with a Doctorate Engineering Degree in Materials Engineering from Imperial College of Science, Technology and Medicine, University of London, England, United Kingdom. During his 21-year employment in Sarawak Shell Berhad in Miri, he has gained extensive hands-on working experiences dealing with materials and corrosion engineering, welding technologies and inspection techniques. He has also gained an extended experience with various aspects of deepwater engineering design projects after being transferred to Shell Malaysia Regional Deepwater Engineering Project residing in Kuala Lumpur until he retired in April 2012.

In summary, Ir Dr Edwin Jong has gained seven years of scientific research experiences while working as a research scientist with ICI Advanced Materials Research in Runcorn and total of 21 years working experiences mainly in the Oil and Gas Industry stream sector, holding various positions as Company Metallurgist, Senior Materials & Corrosion Engineer, Principal Materials & Corrosion Engineer, Senior RBI Engineer, Senior Materials & Welding Engineer cum Team Lead and a Technical Authority (TA) dealing with all technical aspects of Materials and Corrosion Engineering, Welding Technology, RBI-based Integrity Assessment and Inspection Techniques.

Since April 2012, he has joined as a General Manager with Jurutera Perunding Akal (JPA) Group, a local Engineering Design Consultancy Company with its headquarter residing in Miri, Sarawak tackling all engineering works related to civil and construction, O&G, petrochemical, marine and shipbuilding industries. From July 2014 onwards, he has been tasked to set up the welder skill certification training centre in response to our Government national objectives and in nurturing more high quality and certified skill personnel from the local community.



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PRE-REQUISITES FOR EXAMINATION PARTICIPANTS

Minimum Requirements to take the Certified Welding Inspector Level II (BV-CWI) Exam:

- Minimum of 5-year industry experience or
- Minimum of 3-year industry experience with degree/diploma holders in engineering technology, engineering physics or physical science.

The participants are required to pass an eye examination, with or without corrective lenses conducted by an optometrist or doctor.

INFORMATION ON REGISTRATION

Course & Exam : RM 6,000.00 (Standard)

Above fees include:

- 6 days of lectures with course materials
- Hands-on training for visual inspection
- 1 lunch & 2 refreshment breaks daily
- Certificates of Participation for participants/candidates who have achieved at last 80% attendance
- Certified Welding Inspector Certificates for those who have successfully passed the certification examination.

Above fee exclude

- Accommodation and Transportation

Course Date	Exam Date	Deadline
17 th & 18 th April 2015	30 th May 2015	11 th April 2015
24 th & 25 th April 2015		
8 th & 9 th May 2015		

Time	Location
8.30 am to 5.30 pm	Lot 908, Jalan Desa Senadin 1A, Off Jalan Maigold, Desa Senadin Industrial Estate, 98100 Miri, Sarawak



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REGISTRATION FORM

CERTIFIED WELDING INSPECTOR LEVEL II (BV-CWI) COURSE AND CERTIFICATION

Name of Participants	Designation
Mr / Ms _____	_____
Mr / Ms _____	_____
Mr / Ms _____	_____

Name of Organization: _____

Contact Person & Designation: _____

Mailing Address : _____

Telephone No. : _____ Fax No. : _____

Cheque Enclosed : RM _____ Cheque No. : _____

Yes. I am interested in attending (Please tick accordingly) :

Course & Exam: RM 6,000.00 (Standard)

REGISTRATION & PAYMENT

Registration forms together with the fees are to reach Advanced Metallurgy & Welding Technology Sdn Bhd before the deadline. Registration will only be confirmed upon full payment made.

Any query, please contact Ir Dr Edwin Jong (019-8549072) or Ms Ryamie (085-668178) or Fax at 085-668179.

CANCELLATION & REFUND

Full refund will be made if the course is cancelled due to lack of participants or unforeseen circumstances.

Any cancellation made **after** deadline – No refund

Any cancellation made **before** deadline – Full refund

To: Ms Ryamie Bt Ahmad
Advanced Metallurgy & Welding Technology Sdn Bhd
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**THREE WEEK CERTIFIED WELDING INSPECTOR (BV-CWI)
LEVEL II COURSE AND CERTIFICATION IN MIRI**

I/We wish to participate in the above Course from **17th April to 9th May 2015**, venue at **Advanced Metallurgy & Welding Technology Sdn Bhd**, Lot 908, Jalan Desa Senadin 1A, Off Jalan Maigold, Desa Senadin Industrial Estate, 98100 Miri. Enclosed herewith a crossed cheque no.: _____ for the sum of RM _____ issued in favour of **“Advanced Metallurgy & Welding Technology Sdn Bhd”**.

Name of Participant : _____

IC or Passport No. : _____

Address : _____

Telephone No. : _____ Fax No. : _____

E-mail : _____

Company's Name : _____

.....
(Date)

.....
(Signature)