



**MATRIX SKILLS
ACADEMY SDN. BHD.**
202501003105 (1604518-W)

10 CEP

UNDERSTANDING BOILER REPAIR

10 CEP

12 & 13 August 2026



TRAINER

Mohamad Hiswandy Bin Ishak



LEARNING MODULE

 Mile 9, Jalan Labuk Lama,
90000 Sandakan, Sabah

HRDC - RM 1,944.00

CASH - RM 1,944.00

(Include Notes, Certificate, 3
meals morning break, lunch and
tea break)

Plant Manager, Mill Manager,
Maintenance Manager, Steam Boiler
Engineer Grade 1&2, Steam Boiler
Operator Grade 1&2, Safety & Health
Officer, Steam Boiler Operator Grade
1&2, Plant Supervisor.etc



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matrix@matrixskillsacademy.com



016-6124201

TRAINING SESSION PLAN**TITTLE : UNDERSTANDING BOILER REPAIR****TIME: 08:00 am to 17:00 pm**

At the end of the two days session, participants will be able to understand the boiler repairs, legal framework, repair procedure and common welding methods.

Training Agenda – Understanding Boiler Repair

Day	Time	Topic	Details
Day 1	8:00 AM – 10:00 AM	Legal Framework for Boiler Repair	Overview of legal requirements, DOSH/JKKP regulations, responsibilities of repairers and owners
	10:00 AM – 10:15 AM	Morning Break	
	10:15 AM – 12:00 PM	Legal Framework for Boiler Repair (Cont.)	Permit requirements, repair documentation, inspection and approval process
	12:00 PM – 1:00 PM	Lunch Break	
	1:00 PM – 3:00 PM	Introduction to NBIC Part 3	Scope, purpose, and requirements for repairs and alterations
	3:00 PM – 3:15 PM	Afternoon Break	
	3:15 PM – 5:00 PM	Understanding NBIC Part 3 Requirements	Repair procedures, documentation, quality control, and case studies
Day 2	8:00 AM – 10:00 AM	Welding Process for Boiler Repair	Common welding methods, repair considerations, and welding safety
	10:00 AM – 10:15 AM	Morning Break	
	10:15 AM – 12:00 PM	Welding Code & ASME IX	Qualification requirements, welder qualifications, WPS & PQR overview
	12:00 PM – 1:00 PM	Lunch Break	
	1:00 PM – 3:00 PM	Understanding & Development of WPS	Essential variables, welding parameters, and acceptance requirements
	3:00 PM – 3:15 PM	Afternoon Break	
	3:15 PM – 5:00 PM	Workshop: Developing WPS	Practical exercise and group discussion on WPS preparation

CEP JKKP; 10 unit

MBOT, BEM- CPD

Target participants: REPAIRER, STEAM ENGINEER, SHO, QA/QC ENGINEER AND SUPERVISOR, PROFESSIONAL ENGINEER, TECHNOLOGIST