



MEGA JATI ACADEMY SDN BHD

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A Certified Training Provider for MOF, HRDF, CIDB, ST, all trainings by Mega Jati will be awarded supplementary CIDB 10 CCDs daily and ALL Courses are HRDF Claimable.

Design Course in Electrical Grounding, Lightning Protection and Surge Protection System

TRAINING ID: MJA/ELEC/2020/010

MEGA JATI ACADEMY SDN BHD

Jalan Marikh U5/174,

CB Seksyen U5,

40150 Shah Alam, Selangor

2020

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1.0 INTRODUCTION

Lightning issues become important as Malaysia location in equatorial is recorded the highest density and occurrence of lightning due to hot and humid tropical environment subsequently introduces high formation of cloud which finally led to thundercloud after evaporation of humidity from the air, land and sea surround it. The number of thunderstorm day which more than 300 days per year indicates the serious number of occurrence hence exposed a physical hazard for both human and equipment if not been handled and protect sufficiently.

Understanding the actual issues especially involving technical knowhow in Lightning Protection System is really important so that the action precisely can be taken to harness the real issues involving electrical safety not only conjecture with virtual statement without any evidence that sometime may confused and mislead the public from the actual facts, hence, contributed to the losses and damage to the human life and property.

This course is designed to give a better knowledge to chargeman, technician or electrician that need a basic understanding on electrical grounding, LPS and SPD. This course is offered as a two-day condensed course, focused on the basics of subject matter, problems and solutions.

2.0 COURSE OBJECTIVES

This course is designed as continues from previous 2 days introductory and hands-on measurement training through training ID MJA/ELEC/2019/010. Will focus on the design involve calculation, standards, guidelines, best practice and drawing of all electrical grounding, lightning protection and surge protection system that been applied in Malaysian electrical industry. The need for Technical Assistant (TA) and Engineers staffs to understand in electrical grounding, LPS and SPD design is important for their career requirements and effective supervision. This course aims to provide the important knowledge in designing electrical grounding, LPS and SPD protection for TA and engineers.

3.0 LANGUAGE & LOCATION:

The course material will be in English and Malay. Lectures will be held at **Client's Facilities**.

4.0 COURSE FEE:

NO	METHOD OF PAYMENT	ACCOUNT NAME	BANK	ACCOUNT NUMBER
1.	Cek / <i>Online Transfer</i>	Mega Jati ACADEMY Sdn Bhd	Bank Islam Malaysia Berhad	1427-401000-7241
2.	LO / HRDF	Mega Jati Consult Sdn Bhd	Maybank Banking Berhad	5142-7132-6182
3.	e-Perolehan	Mega Jati Consult Sdn Bhd	Nombor e-Perolehan Pembekal eP-140010377	

For help and further information please contact

1) Account: Miss Ria : 012 349 8656

2) Training: Miss Zahafarina : 017 419 3031

5.0 COURSE OUTLINE

COURSE	DESIGN COURSE IN ELECTRICAL GROUNDING, LIGHTNING PROTECTION AND SURGE PROTECTION SYSTEM		
DURATION REQUIRED	2 DAYS	LEARNING TIME	16 HOURS
METHOD OF LEARNING	LECTURE, DESIGN CALCULATION, DRAWING (AUTOCAD), AUDIO VISUAL PRESENTATION.		
CPD AWARDED	CIDB 20 CPD FOR EACH PARTICIPANT / HRDF CLAIMABLE		

TIME	8.30 AM – 10.30 AM	10.30 AM 11.00 AM	11.00 AM – 12.30 PM	12.30 PM 2.30 PM	2.30 PM 5.30 PM
DAY					
DAY 1	ACTs, REGULATIONS, GUIDELINES and REFERENCES in MALAYSIA	BREAK	INTRODUCTION TO INTERNATIONAL AND LOCAL STANDARDS FOR ELECTRICAL GROUNDING AND LPS	BREAK	DESIGN WORKSHOP 1: ELECTRICAL GROUNDING
DAY 2	DESIGN WORKSHOP 2: LIGHTNING PROTECTION SYSTEM		DESIGN WORKSHOP 3: SURGE PROTECTION SYSTEM		COMPLIANCE CHECKLIST AND LPS INSPECTION REPORT

*Subject to final changes

6.0 PROGRAM DIRECTOR

	<p>Ir. Abd. Mokhti B. Salleh has a Master Degree in Lightning Protection System. He is currently a Chairman of Mega Jati Consult Sdn Bhd, the M&E Consultant. He has more than 30 years' experience in the field of Lightning and Surge Protection system. Ir Abd. Mokhti was appointed by JKR Electric Department, Malaysia as a Specialist Lightning and Surge Protection System for a period between May 2008 to April 2009. One of the scopes of works is to train the JKR Electric's engineers on the design of the Lightning and Surge Protection System. He has given many talks and seminar on Lightning and Surge Protection System. He was also appointed as Visiting Professor at Universiti Malaysia Perlis in 2015.</p>
	<p>Mohd Hilmi Bin Abd Mokhti (Grad BEM, Grad MBOT), holds a Bachelor of Engineering Technology (Hons) in Electrical from UNIKL British Malaysian Institute (BMI). His specializations are in lightning and surge protection and have provided training for both government agencies and private sectors. He is a Registered Graduate Engineers and Registered Technologist with the Board of Engineers Malaysia (BEM), Malaysia Board of Technologist (MBOT) and a Certified SEDA GCPV Competent Person. His current projects involve Gemas-JB Double Track with YTL and Lumut Electrical Infra works with SAPURA. He is also a shareholder and Director of Mega Jati Consult / Mega Jati Academy Sdn Bhd.</p>

**program Director is responsible to prepare the Course Outline, syllabus and appointment of the Speaker/s, Program Director is not necessarily the Speaker for the Course.*

Mega Jati ACADEMY

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