



## **MEGA JATI ACADEMY SDN BHD**

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# **Cold-Formed Steel Design to EUROCODE3**

TRAINING ID: MJA/CNS/2020/005

**By**

**MEGA JATI ACADEMY SDN BHD**

**Jalan Marikh U5/174,**

**CB Seksyen U5,**

**40150 Shah Alam, Selangor**

**2020**

# **Cold-Formed Steel Design to EUROCODE 3**

TRAINING ID: MJA/CNS/2020/005

## **1.0 INTRODUCTION**

Cold-formed steel sections (or light gauge steel sections) are commonly used as secondary steelwork, e.g. roof purlins and wall cladding rails in industrial buildings. In recent years the application has emerged to primary load-bearing elements in light steel frames, such as roof trusses and framed walls. The nature of cold-formed steel is very different than that of hot-rolled steel sections, thus misunderstanding of such nature could lead to improper design and fatal construction accident.

In Eurocode 3 Design of steel structures, design rules for cold-formed steel members are given in several separate Parts, notably BS EN 1993-1-1, BS EN 1993-1-3 and BS EN 1993-1-5, each together with their National Annex and other supplementary documents. The seminar helps the participants to understand the use of such references through worked examples.

## **2.0 COURSE OBJECTIVES**

The objectives of the course are:

- 1) To provide participants with the knowledge of structural steelwork design using cold-formed section based on Eurocode 3.
- 2) To learn the concept and calculation of effective area of cold-formed steel section.
- 3) To learn the design of tension and compression members made of cold-formed steel section.

## **3.0 LANGUAGE & LOCATION:**

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

**4.0 COURSE FEE:**

<b>NO</b>	<b>METHOD OF PAYMENT</b>	<b>ACCOUNT NAME</b>	<b>BANK</b>	<b>ACCOUNT NUMBER</b>
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

<b>COURSE</b>	<b>COLD-FORMED STEEL DESIGN TO EUROCODE 3</b>		
<b>DURATION REQUIRED</b>	2 DAYS	<b>LEARNING TIME</b>	16 HOURS
<b>METHOD OF LEARNING</b>	LECTURE, SOFTWARE, DESIGN CALCULATION WORKSHOP, AUDIO VISUAL PRESENTATION		
<b>CPD AWARDED</b>	CIDB 20 CPD FOR EACH PARTICIPANT / HRDF CLAIMABLE		

<b>TIME</b>	<b>8.30 AM – 10.30 AM</b>	<b>10.30 AM 11.00 AM</b>	<b>11.00 AM – 12.30 PM</b>	<b>12.30 PM 2.30 PM</b>	<b>2.30 PM 5.30 PM</b>
<b>DAY</b>					
<b>FIRST DAY</b>	INTRODUCTION TO COLD-FORMED STEEL STRUCTURES	BREAK	COLD-FORMED STEEL DESIGN TO EC3	BREAK	DESIGN OF TENSION AND COMPRESSION MEMBERS
<b>SECOND DAY</b>	DESIGN OF FLEXURAL MEMBER		DESIGN OF CONNECTIONS PART 1		DESIGN OF CONNECTIONS PART 2

\*Subject to final changes

## 6.0 COURSE SPEAKER

*\*Subject to final changes.*

**-END-**

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