



# MAIRODI MANDIRI SEJAHTERA

TRAINING, CONSULTING & ENGINEERING SERVICES

Alamat: Gedung Dapenpos Lt.2, Jl. PH.H. Mustofa No.35 , Bandung, Indonesia, 40124  
Telp/Fax: +62-22-7215668, Homepage: pelatihan-indonesia.id

---

Training Syllabus:

## **PIPELINE INTERNAL CORROSION CONTROL AND MONITORING**

### **TRAINING DESCRIPTION AND BENEFITS :**

- a. This course is for either corrosion engineers or non corrosion engineering personnel who involve in oil & gas operations and maintenance, pipeline and asset integrity management, pipeline inspection and pigging, material purchasing, chemical selection and injection, hazard and HSE management, and any corrosion related activity.
- b. By attending this course, participants are able to broaden or reshape their knowledge on the related subjects of his or her area of responsibility, learn more detail about internal corrosion control and monitoring, and understand how to select and use of corrosion inhibitors and chemicals.
- c. After completion of this course, participants will understand what internal corrosion is, how to detect, predict and monitor their growth, and how to control these serious problems in the pipeline.

### **TRAINING HIGHLIGHTS :**

- a. Internal Corrosion Problem in the Pipeline
- b. H<sub>2</sub>S, CO<sub>2</sub>, and Acidic Corrosive Components
- c. Sour Corrosion and Microbial Induced Corrosion
- d. Equipment and Pipeline Leakage and Rupture by Corrosion
- e. Fluid Properties and the Corrosion Tendency
- f. Internal Corrosion Monitoring and Corrosion Prediction
- g. Internal Corrosion Control and Prevention Methods

### **TRAINING MATERIAL OUTLINE :**

1. Oil, condensate, gas, and water flowing in the pipeline
2. Corrosion in water re-injection system and the injection line
3. Corrosion in sea water injection system
4. The role of H<sub>2</sub>S, CO<sub>2</sub>, and acidic impurities in the fluid
5. Nature of H<sub>2</sub>S corrosion, pitting and stress corrosion cracking
6. Nature of CO<sub>2</sub> corrosion
7. Sour corrosion and top of line corrosion problems
8. Microbial induced corrosion mechanism and its related problems
9. Corrosion caused by SRB and the pitting mechanism
10. Corrosion caused by oxygen penetration
11. Examples of corrosion damage and pipeline leakage
12. Corrosion monitoring methods in oil & gas field
13. Oil & gas filed corrosion prevention methods
14. Corrosion control with inhibitors and the selection of suitable corrosion inhibiting chemicals



# MAIRODI MANDIRI SEJAHTERA

TRAINING, CONSULTING & ENGINEERING SERVICES

Alamat: Gedung Dapenpos Lt.2, Jl. PH.H. Mustofa No.35 , Bandung, Indonesia, 40124  
Telp/Fax: +62-22-7215668, Homepage: pelatihan-indonesia.id

15. Dosage and injection methods of corrosion inhibitors
16. SRB control with biocides and the selection of suitable and low risk biocide formula
17. Dosage and injection methods of biocides
18. Oxygen control by de-aeration and chemical injection, and the selection of suitable oxygen scavenger
19. Dosage and injection methods of oxygen scavenger
20. Safety in oil & gas corrosion prevention

**INSTRUCTOR :** Ir. Hilman Ahmad,DCE. and Associates

**VENUE :** Kagum Group Hotel Bandung (Golden Flower, Banana Inn, Serela, Gino Feruci), Amaroossa Hotel, Noor Hotel, Grand Setiabudi Hotel, dll

**TRAINING DURATION :** 4 days

**TRAINING TIME :**

<b>Januari 2024</b>	<b>Februari 2024</b>	<b>Maret 2024</b>	<b>April 2024</b>
2 - 5 Januari 2024	5 - 8 Februari 2024	4 - 7 Maret 2024	1 - 4 April 2024
8 - 11 Januari 2024	12 - 15 Februari 2024	12 - 15 Maret 2024	22 - 25 April 2024
15 - 18 Januari 2024	19 - 22 Februari 2024	18 - 21 Maret 2024	29 April – 2 Mei 2024
22 - 25 Januari 2024	26 - 29 Februari 2024	25 - 28 Maret 2024	
29 Jan – 1 Feb 2024			
<b>Mei 2024</b>	<b>Juni 2024</b>	<b>Juli 2024</b>	<b>Agustus 2024</b>
6 - 9 Mei 2024	3 - 6 Juni 2024	1 - 4 Juli 2024	5 - 8 Agustus 2024
13 - 16 Mei 2024	10 - 13 Juni 2024	8 - 11 Juli 2024	12 - 15 Agustus 2024
20 - 23 Mei 2024	19 - 22 Juni 2024	15 - 18 Juli 2024	19 - 22 Agustus 2024
27 - 30 Mei 2024	24 - 27 Juni 2024	22 - 25 Juli 2024	26 - 29 Agustus 2024
		29 Juli – 1 Agustus 2024	
<b>September 2024</b>	<b>Oktober 2024</b>	<b>November 2024</b>	<b>Desember 2024</b>
2 - 5 September 2024	1 - 4 Oktober 2024	4 - 7 November 2024	2 - 5 Desember 2024
9 - 12 September 2024	7 - 10 Oktober 2024	11 - 14 November 2024	9 - 12 Desember 2024
16 - 19 September 2024	14 - 17 Oktober 2024	18 - 21 November 2024	16 - 19 Desember 2024
23 - 26 September 2024	21 - 24 Oktober 2024	25 - 28 November 2024	
	28 - 31 Oktober 2024		



# MAIRODI MANDIRI SEJAHTERA

TRAINING, CONSULTING & ENGINEERING SERVICES

Alamat: Gedung Dapenpos Lt.2, Jl. PH.H. Mustofa No.35 , Bandung, Indonesia, 40124  
Telp/Fax: +62-22-7215668, Homepage: pelatihan-indonesia.id

---

## **INVESTMENT PRICE/PERSON :**

1. Rp 8.950.000/person (full fare) or
2. Rp 8.750.000/person (early bird, payment 1 week before training) or
3. Rp 8.500.000/person (if there are 3 or more participants from the same company)

## **FACILITIES FOR PARTICIPANTS :**

1. Training Module
2. Flash Disk contains training material
3. Certificate
4. Stationeries: NoteBook and Ballpoint
5. T-Shirt
6. Backpack
7. Training Photo
8. Training room with full AC facilities and multimedia
9. Lunch and twice coffeebreak everyday of training
10. Qualified instructor