

A Live Online Course

GAS HAZARD and MEASUREMENT

by

Ir. In Jumanda Kasdadi, MT.

COURSE OVERVIEW

Providing students with a sound understanding of the techniques to assess the gas hazardous substances in the workplace, and also provides an understanding of how the measurement of the hazardous substances

COURSE CONTENTS

- **Introduction of Gas Hazard** (gas pressure hazard, flammable gas, toxic gas, etc)
- **H₂S Gas Hazard** (Physical Properties & Chemistry of H₂S, Toxicity of H₂S, flammability of H₂S, etc).
- **SO₂ Gas Hazard** (Physical Properties & Chemistry of SO₂, Toxicity of SO₂, flammability of SO₂, etc).
- **CO & CO₂ Gas Hazard** (Physical Properties & Chemistry of CO and CO₂, Toxicity of CO & CO₂, flammability of CO, etc).
- **CH₄ and other Hydrocarbon Gas Hazard** (Physical Properties & Chemistry of CH₄ and other Hydrocarbon Gas, flammability, etc).
- **Gas Leakage, Fire, and Explosion** (triangle & tetrahedron of fire; types & physical properties & chemistry of fire & explosion, etc)
- **The Boiling Liquid Expanding Vapor Explosion (BLEVE)**
- **The Unconfined Vapor Cloud Explosion (UVCE)**
- **Measurement of Gas Hazard** (Gas Detection, Gas Sensor, Personal Gas Monitor, etc)
- **Respiratory Protection and SCBA** (Self Containment Breathing Apparatus)
- **Fire Protection and Extinguishers**
- **Discussion, Case Study and Film**

WHO SHOULD ATTEND

Personnel whose job responsibilities include:

- Supervising, Advising, Monitoring or Auditing
- Monitoring and Auditing,
- Implementing,
- Designing, Constructing, Implementing, Modifying or Operating company process HS&E efforts in the office or in the field
- Other Operations Personnel;
- Other professionals with little to moderate background in risk analysis or HS&E, or who want a better understanding of the subject matter; and
- Government Employees.

Course Delivery

- This live online course will be delivered via Zoom.
- Each participant needs to prepare a PC with a wifi connection to join this training.
- Participants will receive course material in the form of a hard copy and a soft file which will be delivered to the participant's address via a courier.
- Participants will receive a certificate after the training.
- Training time is from 09:00 to 15:00 with several breaks in between.

About Instructor

Ir. In Jumanda Kasdadi is an experienced instructor and he has been conducting training for oil and gas companies since 1997.

He has BS and MS in chemical engineering degrees from the Institute Technology Bandung.

Companies that have received Mr. Kasdadi's inhouse training include Chevron, Pertamina Hulu Energi-ONWJ, ConocoPhillips, Total, Medco, Petrochina, Pertamina, Star Energy, and many others.

Ir. In Jumanda Kasdadi was involved in several front-end engineering design (FEED) and Risk Based Inspection projects.

IJK has also taken courses for 9 topics in The Oil & Gas fields at PETEX (Petroleum Extension), University of Texas at Austin, in Houston, Texas, USA (2018).



Registration Information

Two ways to enroll:

1. Enroll online at www.lditraining.com
2. Email your enrollment message to LDI Training at lditrain@indo.net.id

LDI Training will send the access code for this online training after we have received the participant's registration, email address, and WA number.

For more information please contact

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