LDI TRAINING
"Leading Edge Courses for Professionals" ™

An LDI Training Course

BASIC INSTRUMENTATION

by
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Introduction

Instrumentation skill is particularly useful to accommodate basic monitoring for a Plant such as monitoring, sensing, recording, and controlling of each piece of equipment. It is also acts a basis to move from manual control to automation system such as SCADA and other systems.

A thorough comprehension of understanding of the basic knowledge principles is often required for you to effectively carry out your day to day business in running the Plant. This short course will provide you with the basic information required to perform these tasks.

The Aims

Upon completion of this course you will be able to identify the instrumentation system in your Plant, operate them perfectly as designed by your process engineering team.

Couse Contents

- **Basic Instrumentation**
  Classify instruments used in the instrumentation industry
  Explain the basic terms related to instrumentation and control
  Scope of Instrumentation in industries
  Significance of Instrumentation & control.
  Evolution of Instrumentation

- **Basic electricity**
  Explain the basic terms related to electrical engineering
  Classify electrical measuring instruments

- **Magnetism & electromagnetism**

  Explain the different laws related to electricity and magnetism

  Describe the working of NO and NC types of relays

Who Should Attend

Trainees, Technicians, Mechanical Engineers, Process Engineer, Operation Engineers, Field Supervisors, Production Supervisor, Plant Supervisor, Support Supervisors and other personnel who will involved in the daily operations of oil and gas fields activities

Your Course Leader

Ir. In Jumanda Kasdadi is an experienced instructor who 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.

Mr. kasdadi has conducted training for 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).

COURSE DELIVERY

- This offline (face to face) course is conducted in Bahasa Indonesia
- Training hours are from 08:00 to 16:00 WIB
- Participants will receive course materials
- Participants will receive a certificate after completing the training

TRAINING CONFIRMATION

LDI Training will provide a Confirmation Letter after we receive registration according to the required quota.

For course registration and more information please email to

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