OJT TRAINING · INSTRUMENT ENGINEER

Cause Effect Matrix

For : **Engineering Physics, Instrumentation, Electronics Engineering**

Cause effect matrix training for oil & gas instrument engineers: prepare and review C&E matrix documents from P&IDs and protection philosophy.

- 100% online
- Mentor: M.Riandi, ST - Senior Instrument Engineer – Oil & Gas EPC



ABOUT THIS OJT

Learn straight from real projects with OJT Cause Effect Matrix

After mastering the basic principles of instrumentation and control, an Instrument Engineer must also be skilled at preparing the engineering document that represents the action and reaction relationships between sensors and final elements, called Cause and Effect. This document is prepared during the engineering phase and is later used by the vendor to build the logic program in the control system.

In this Cause and Effect training you will study the following topics:

- Understanding the P&ID and related documents such as the Single Line Diagram, Fire&Gas Detector Layout and other documents.
- Understanding the shutdown hierarchy on an oil and gas platform/plant
- Reviewing the ESD Logic Diagram
- Becoming skilled at creating a Cause and Effect Matrix

Please note, this training is not a software skills training. It is intended to sharpen participants' skills in reading process and safety discipline documents so that they can interpret them in a cause and effect matrix created in Excel format.

HOW IT WORKS

From first lesson to certificate

1. **Choose a Career Position** — Decide which industry position you are aiming for.
2. **Choose an OJT Training** — Take a single OJT Training, or save with the position's Complete Package.
3. **Learn & Solve Cases** — Watch practitioner video lessons, then solve Real Project-level cases.
4. **Mentoring & Discussion** — Review your work directly with a mentor.
5. **Get Certified** — Get your certificate after completing the Real Project assignment.

CHOOSE A PACKAGE

SINGLE OJT

OJT Cause Effect Matrix

Skills required for a role in Cause Effect Matrix

real-project case studies · mentor discussion · 100% online

Rp 2.500.000

COMPLETE PACKAGE **Best value**

OJT Instrument Engineer Complete Package

The right choice if your goal is to work as Instrument Engineer: no skill left behind, one single payment.

3 OJT Trainings at once: every skill you need to work as Instrument Engineer.

Instrumentation Sizing For Control Valve,Flow Element & Relief Device (using INSTRUCALC)	Rp 1.500.000
Instrumentation Design For Oil Gas Plant	Rp 2.500.000
Cause Effect Matrix **(this OJT)**	Rp 2.500.000

~~Rp 6.500.000~~ **Rp 5.500.000** **Save Rp 1.000.000 (15%)**

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