


# Online Training : Fundamental of Reliability Engineering

*Fundamental Reliability Engineer Course is designed to teach the skills of Reliability Engineering as detailed in the Facilities Maintenance Management and Reliability Engineering Competency Maps. We will use Weibull Analysis and Monte Carlo Simulation to measure plant availability and optimize it against business need. Case studies and exercises will be used to demonstrate availability optimization techniques and their benefits.*

**Trainer: Ir. Rahmat Priyo Handono, MM**

**WAKTU PELAKSANAAN**

10 - 11 Desember 2026

09:00 - 15:00 WIB

**TEMPAT PELATIHAN**

By Zoom

**Harga**

Group Price: Rp 3.700.000
Full Fare: Rp 4.050.000

**) Harga di atas tidak dikenakan PPN 11%, sudah termasuk E-Certificate dan Modul.*

## Goals

Goals of Fundamental of Reliability Engineering:

- Understand the concept of reliability. (Reliability Engineer)
- Learn Some Reliability Analysis Techniques.(Reliability Engineer)
- Find out how to use Weibull Analysis and Monte Carlo Simulation to measure plan reliability.(Reliability Engineer)
- Understand the role of Preventive and Predictive Maintenance in Improving Reliability.(Reliability Engineer)
- Learn how to create reliability improvement actions in organization.(Reliability Engineer)

## Outline Material

- Day 1
  - 09:00 – 12:00
    - Introduction
    - MTBF
    - MTTR
  - 13:00 – 15:00
    - Reliability analysis
      - FMEA
      - FTA
      - RBD
    - Weibull Analysis
- Day 2
  - 09:00 – 12:00
    - Monte Carlo simulation
    - Preventive Maintenance
    - Predictive maintenance
  - 13:00 – 15:00
    - Reliability improvement project planning
    - Equipment performance gap analysis
    - Creating reliability improvement actions in the organization

## Participants

Maintenance, engineering and operations personnel involved in improving reliability, availability, condition monitoring, and maintainability of process equipment and systems.

## Instruktur Pelatihan

### Ir. Rahmat Priyo Handono, MM

Rahmat adalah seorang praktisi dan trainer di bidang teknik industri dan manajemen. Setelah lulus dari ITB Bandung jurusan Teknik Industri dan Magister Management dari PPM Jakarta, ia bekerja di sebuah perusahaan asing. Kemudian bersama dengan beberapa rekan alumi ITB, ia mendirikan dan membesarkan sebuah perusahaan pemasok genset system yang sempat menguasai pasar telekomunikasi di Indonesia dan telah bekerjasama dengan PT Excelcomindo, PT Indosat, PT Telkom, PT Telkomsel, Bakrie Telecom, Smart Telecom dan HCPT dalam deployment jaringan mereka, khususnya dalam penyedian back up power. Selama mengembangkan perusahaan miliknya itu, ia mendapatkan pengalaman praktis yang luas di bidang management operasi, financial dan sumber daya manusia. Saat ini ia juga aktif sebagai professional trainer di beberapa lembaga trainer dan telah berpengalaman memberikan berbagai topic training untuk perusahaan-perusahaan seperti Chevron, Total, Holcim, Star Energy, Indoenesian Power dan Viar.

## CONTACT US


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