

An LDI Training Course

Power System Studies and Detail Designed Protection System for Power Generation

by
Rachmat Sudjana, S.T.

Introduction

This course is designed to broaden the understanding of Power system protection as an integral part of each power system. All power equipment including power generators, step-up transformers, step-down transformers, transmission lines, power capacitors and electric motors and other loads, etc. need protection.

This will also provide a comprehensive overview of necessity for protection is incurred by all kinds of contingencies such as equipment failure due to insulation deterioration, lightning strike, short circuit by nature force or creature-made happenings, inappropriate operation of power system and other inadvertent incidences

The Aims

Participants will learn to:

- Design of overcurrent protection and its coordination
- Design of directional overcurrent protection
- Design of differential protection
- Design of distance protection

Course Contents

- Introduction to power system protection
- Review on fault analysis
- Relaying: operating principles
- Current and voltage transformers and circuit breakers and fuses
- Overcurrent protection and its coordination
- Directional overcurrent protection
- Differential protection
- Distance protection

Who Should Attend

Project Engineers, Maintenance Engineers, Operation Engineers, Mechanical Engineers, Process Engineer, Electrical and Instrument Engineers, QA/QC Engineers, Construction Engineers, and other related Engineers, Technologists, Plant Supervisors, **and Plant Operators wanting to broaden their understanding of Power System Studies and Detail Designed Protection System for Power Generation**

Your Course Leader

Rachmat Sudjana, ST

Education: University of Indonusa, Industrial Engineering AKAMIGAS, Mechanical Engineering

Qualification: Instructor for Oil and Gas Industries and Pulp & Paper Mills

Other Qualifications: Lecturer and Mentor for Graduate Engineering Trainee – Engineering Manager - Senior Staff Pipeline/Facility Engineer – Pipeline Material Selection Specialist

He was a retired Oil & Gas Industry practitioner, who is willing to share his knowledge and experience to the next engineer's generation who need them.

He has a lot of experiences in the Oil & Gas Industries domestic and abroad in the World Class Oil Companies, such as working in the oil field in the north edge of Sahara Desert, Africa next the south shore line of the Mediterranean Sea. As soon as he

retired, he had a particular assignment as a Company Engineer in Foster Wheeler, Reading, next to London, UK.

He completed the assignment and get a lot more experience after the completion of the project. A long with his engineering tasks, he was also mentored the engineer's new hired in the company to facilitate them for their future to hold more responsibility. He is willing to improve the knowledge by sharing them to others. He also presented some of technical papers in the national and international forums.

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

For course registration and more information please email to

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