

ELECTRICAL PANEL WIRING, PROTECTION AND SAFETY

TRAINING COURSE OUTLINE

COURSE SUMMARY

This course provides trainees with practical knowledge and skills in electrical wiring, distribution board assembly, and safety practices. It covers component identification, cable selection and termination, panel assembly, and testing. Trainees also learn to apply IEC 61439 regulations and perform basic troubleshooting on electrical panels.

COURSE OBJECTIVES

At the end of this course the trainee should be able to:

- Know electrical distribution board components
- Have the skills for cable and component selection
- Acquire skills for cable termination
- Develop hands-on skills for the assembly of distribution boards
- Know and Apply Regulations for panel building IEC 61439
- Test electrical panels
- Acquire basic electrical wiring and troubleshooting skills

COURSE OUTLINE

- Introduction to Distribution Boards
- Electrical Panel Cable and Components Selection
- Distribution Board Components
- Panel Building:
 - ✓ Electrical drawings
 - ✓ Interpreting electrical schematic drawings
 - ✓ Mounting of components
 - ✓ Wiring
 - ✓ Labeling
 - ✓ Cable Termination
- Introduction To Standards IEC 61439
- Testing
- Troubleshooting