

## **Oil and Gas Electrical & Maintenance Courses**

1. Power Distribution Systems for Utilities
2. Power Generation: GAS TURBINES STEAM POWER PLANTS, CO-GENERATION AND COMBINED CYCLE PLANTS: Selection, Applications, Operation, Maintenance, and Economics
3. Electrical Demand Side Management (DSM)
4. Process Control, Instrumentation & Safeguarding
5. P & ID Reading, Interpretation & Developing
6. Electric Power Substation: Maintenance, Grounding & Safety
7. Fault Analysis in Electrical Networks & Distribution Cables
8. Motors & Variable Speed Drives: Selection, Applications, Operation, Diagnostic Testing, Protection, Control, Troubleshooting, and Maintenance
9. Fault Analysis in Electrical Networks & Distribution Cables
10. Electric & Control System Commissioning, Start-up, Testing & Troubleshooting (NETA, ANSI, IEC & NEC)
11. Electrical and Instrumental Ex Apparatus: Electrical Hazardous Areas, Explosive Electrical Equipment Installation & Maintenance
12. Generation, Transformation, Transmission, Distribution, Substation & Utilization: Design, Modelling, Analysis, Planning, Monitoring, Control, Maintenance & Troubleshooting
13. Practical Fieldbus for Process Control: Engineering, Configuration, Installation, Commissioning, Troubleshooting, Operation and Maintenance
14. UPS Design, Operation & Troubleshooting
15. FSIA: Fire System Integrity Assurance (OGP Regulations)
16. Fire and Gas Detection System
17. Overhead Power Line Construction Maintenance & Patrolling
18. Distributed Control System (DCS) Applications, Selection & Troubleshooting
19. Certified High Voltage Electrical Safety (OSHA, NFPA & EN Standards)
20. Power Systems Control & Stability
21. SIF1 Safety Instrumented Functions
22. Electrical Power Systems Quality & Troubleshooting
23. Practical Troubleshooting and Repair of Electronic Circuits
24. Substation Automation Systems & Application (IEC 61850)
25. UPS System & Battery Charger Design, Operation, Maintenance & Troubleshooting
26. Fire and Gas Detection System: D/S & E-Fire, Gas & Smoke Detection System
27. Electrical Demand Side Management (DSM)
28. Earthing, Bonding, Lightning & Surge Protection of Electrical & Electronic Systems and Equipment
29. Motors & Variable Speed Drives: Selection, Applications, Operation, Diagnostic Testing, Protection, Control, Troubleshooting and Maintenance
30. Compressor Control & Protection
31. Hazardous Area Classification & Intrinsic Safety (IEC 60079, ATEX 95/137 & API RP 500/505)
32. Process Control, Instrumentation and Safeguarding
33. Confined Space Entry, Fall Protection, Work Permit & First Aid
34. Modern Power System Protective Relaying
35. Fire and Gas Detection System
36. Certified High Voltage Electrical Safety (OSHA, NFPA & EN Standards)

37. Earthing, Bonding, Lightning & Surge Protection of Electrical & Electronic Systems and Equipment
38. Process Plant Shutdown, Turnaround & Troubleshooting
39. Electrical Equipment & Control Systems: TRANSFORMERS, INVERTERS, RECTIFIERS, UNINTERRUPTABLE POWER SYSTEMS, GENERATORS, CIRCUIT BREAKERS & FUSES: Selection, Installation, Operation, Testing, Troubleshooting & Maintenance: Application of Electrical & Instrumental
40. Modern Electric Power Systems: GENERATION, TRANSFORMATION, TRANSMISSION, DISTRIBUTION, SUBSTATION & UTILIZATION: Design, Modeling, Analysis, Planning, Monitoring, Control, Maintenance & Troubleshooting
41. Electrical Engineering Principles
42. Managing Risk, Reliability & Loss Prevention in Process Plants
43. Substation Automation Systems & Application (IEC 61850)
44. LV/MV/HV Circuit Breakers & Switchgears: Inspection, Maintenance, Design, Repair & Troubleshooting
45. On Load Tap Changer
46. Precision Measuring Instruments
47. Operation & Maintenance of Standby Generators
48. Distributed Control Systems (DCS)
49. Electrical Transmission and Distribution Network Automation
50. Application of Electrical and Instrumental
51. Power Transformer Failure Analysis & Troubleshooting
52. High Voltage Switchgears & Electrical Safety
53. Certified 11 Kv Electrical Safety (OSHA, NFPA, & EN Standards)
54. Modern Power System Protective Relaying
55. Meters Calibration, Installation & Inspection
56. Equipment Management for Primary Distribution
57. Fork Lift (LPG & Battery Operated) Operation
58. Electrical Equipment in Hazardous Atmosphere
59. DCS Fundamentals
60. LV & MV Electric Power Systems for Industrial Plants
61. HV & MV Substation Design, Testing and Maintenance
62. Certification in Crane Operations
63. Generator Operations, Maintenance, Control, Testing & Troubleshooting
64. GE Multilin Relay for Electrical Engineers