



TRAINING COURSE LIST

At **EFFECTIVE HUMAN INTERVENTION** we are committed to delivering training programs that are not only relevant but also flexible to meet the ever-changing demands of industry. Our aim is to empower individuals and organizations with the knowledge and skills they need to excel in today's dynamic business landscape

EHI has evolved to become a trusted provider of high-quality and industry-relevant courses, covering a wide spectrum of disciplines including electrical, mechanical, production, instrumentation, and soft skills.

COMPLIANCE TRAINING

Compliance training refers to the process of educating employees on laws and regulations that apply to their day-to-day job responsibilities. It guides and informs employees on the laws and regulations pertaining to their industry or specific job function, ensuring a safe working environment.

WHATS NEW?

- Advanced Excel with Reporting & Applications
- Advanced Interviewing Skills
- Business Writing using AI
- Contractor Management
- Line Construction
- Maintenance Planning & Scheduling in the era Industry 4.0
- Microsoft Project Basic using AI
- Microsoft Project Intermediate to Advances using AI
- Power BI
- Preventative & Predicative Maintenance in the era Industry 4.0
- Project Management Introduction for Engineers & Technical Professionals using AI
- Project Management Professional using AI
- Quality & Safe Work Practices for Foundry Personnel
- Supercharged MS Projects with Power BI & Excel
- Technical Report Writing using AI

COMPUTER COURSES

- Basic Computer Literacy
- Integrating MS Project & MS Excel for Effective Project Management
- Microsoft PowerPoint
- Microsoft Word Intro, Intermediate, Advanced
- MS Excel Intro, Intermediate, Advanced
- MS Excel with PowerPivot & Dashboard
- MS Project Advanced using S-Curve for Project Power BI
- Power Pivots
- Power BI
- Prima Vera P6 Professional Basic
- Project Management & PMP Prep
- Supercharged MS Projects with Power BI & Excel

WORKPLACE SAFETY / REGULATIONS & COMPLIANCE

- Accident & Incident Investigation
- Arc Flash Awareness
- Basic Principles of Protection
- Construction Regulations
- Driven Machine Regulations
- Electrical Installation Regulations
- Electrical Machine Regulations
- Electrical Safety Awareness for Artisans working on High Voltage Mining Machinery
- General Machine Regulations
- General Safety Regulations
- Hazardous Area Concepts
- Hazardous Identification & Risk Assessment (HIRA)
- Isolation & Legal Liability
- Lockout Procedures
- LV Cable Fault Location
- LV MCC Maintenance Testing & Condition Based Monitoring
- LV MV Line Construction Aerial Bundle Conductor
- Maintenance of Electrical Networks: Substations – NRS 089
- Management of Maintenance of MV Switchgear up to 22kv
- Medium/High Voltage Switching
- MV 11-33kV Cable Accessories
- MV Substation Maintenance, Testing & Condition Based Monitoring
- MV Substation Maintenance, Testing & Condition Based Monitoring
- MV Switchgear Maintenance
- MV/LV Protection Theory & Practical Applications
- Occupational Health & Safety Act
- ORHVS
- ORLVS
- Pressure Equipment Regulations & SANS 347
- SANS329
- Site Safety Awareness
- Standby Diesel Generators & UPS Systems
- Substation Authorised Persons
- Substation Entry
- Substation Responsible Persons
- Safe Work Procedures & Standard Operating Procedure Documentation

TRAINING COURSE LIST

ELECTRICAL

- Advanced Electrical Systems
- Best Practice for Management of Transformer Operation & Maintenance
- Cable Selection, Installation & Fault Finding
- Calculation of Electrical System Fault Levels
- Distribution Assemblies
- Electrical & Mechanical Isolation Practice
- Electrical Fault Analysis
- Fundamentals & Implementation of Power System Protection
- HV Power Transformer Theory
- HV Power Transformer Theory, Maintenance, Oil Testing & Condition Based Monitoring
- Partial Discharge
- Reading & Understanding Electrical Drawings
- Safety Earthing Bonding & Lightning
- SANS 10142-1 Ed 3.2
- SANS 10142-2
- Substation Maintenance
- Thermographic Training

PRODUCTION & LEAN MANUFACTURING

- 20 Keys to Workplace Improvement
- 5 Day Lean (World Class Manufacturing)
- 5S & Role of Kaizen
- 5Why & 8D Problem Solving
- Fault Finding Techniques
- FMEA (Failure Mode & Effects Analysis)
- ISO9001 | 14001 | 18001 | 45001 | 50001
- Lean Manufacturing & Value Stream Mapping
- Lean Practitioner
- Lean Six Sigma Black Belt
- Lean Six Sigma Green Belt
- Lean Six Sigma Yellow Belt
- Operational Equipment Effectiveness
- Problem Analysis & Solving Methods
- Process Approach
- Root Cause Analysis & Incident Investigation
- Root Cause Analysis using effective CAPA Plans
- SMED
- Total Quality Management
- Value Stream Mapping

GENERAL

- Anger Management
- Assertiveness & Interpersonal Skills
- Business Communications
- Business Writing
- Dealing with Difficult People
- Emotional Intelligence
- Finance for non-Financial Managers
- Innovation & Creativity
- Report Writing
- Scientific Report Writing
- Stress Management
- Time Management & Prioritization

MECHANICAL

- Air-Conditioning & Refrigeration
- Boiler Operation & Maintenance
- Compressor Maintenance
- Condition Based Monitoring
- Emergency Conveyor Belt Splicing
- Flow Control for Instrumentation Practitioners
- Gearbox Design, Operation, Maintenance & Troubleshooting
- Hydraulics - Fundamental & Pneumatic
- Insulation Oil Filtration
- Insulation Oil Handling & Transportation
- Insulation Oil Sampling & Testing
- Machinery Failure Analysis & Prevention
- Mechanical Systems & Fault Finding
- Pump Operations & Maintenance

MAINTENANCE

- Enterprise Asset Management
- Laser Alignment of Vacuum Pump
- Machinery Failure Analysis & Prevention
- Maintenance Best Practices
- Maintenance Planning & Scheduling in the era Industry 4.0
- Maintenance Risk & Reliability Management
- Reliability Centered Maintenance
- Risk Management in Manufacturing
- Total Productive Maintenance
- Zero Breakdown Maintenance Strategies

AUTOMATION & INSTRUMENTATION

- AC Variable Speed Drives
- Flow Control for Instrumentation Practitioners
- Introduction to Variable Speed Drives
- Master Drives Vector Control Maintenance Course
- Profibus Systems Course
- SIMOCODE DP Course
- SIMOCODE PRO Course
- Sinamics Drives Maintenance Course

- **Siemens Step 7 with PLC S7 300 and S7 400 (Classic Siemens Courses)**
 - Introduction to PLC
 - RCL-PLC-ONE
 - RCL-PLC-TWO

- **Siemens TIA Portal with PLC S7 1200 and S7 1500**
 - Introduction to PLC
 - TIA PORTAL - S7 1200 PLC Service & Maintenance Basic Course
 - TIA PORTAL - TIA PORTAL with S7-1500 Service & Maintenance Module 1

TRAINING COURSE LIST

MANAGEMENT & LEADERSHIP

- Assertiveness Skills for Managers
- Coaching & Mentoring
- Diversity Management
- Emotional Intelligence
- First Line Management
- Management Skills for Engineers & Technical Professionals
- Management Skills for Maintenance Supervisors
- Managing Conflict
- Problem Solving & Decision Making
- Self-Mastery in the Workplace
- Supervisory Development Programme
- Supervisory Skills
- Transitioning from Technical Professional to Manager & Leader

CONTINUING PROFESSIONAL DEVELOPMENT (CPD)

refers to continuing education and training. CPD also refers to the systematic maintenance, improvement and broadening of knowledge and skills and the development of the necessary personal qualities for the execution of professional duties throughout a person's career. It is the learning and development that takes place after completion of educational studies, and by which registered persons maintain and develop competencies to continue to perform their roles efficiently through further training and experiences. **ECSA is recognised by SAQA as a Professional Body ID: 623.** CPD registered courses can be submitted on your WSP. **EHI's courses are accredited through SAAMA for approval of CPD activities which will automatically be accepted by ECSA.**

MERSETA/QCTO ACCREDITATION No: 01-MER/SDP250423145532

- Production Technology: Qualification: 58779

EWSETA ACCREDITATION No: 17-QA/Acc/0603/11

- 242766 - Demonstrate knowledge and understanding of operating regulations for high voltage
- 259204 - Operate on Medium Voltage networks
- 259205 - Inspect, test and maintain Medium/High Voltage earthing systems
- 259206 - Install/replace medium/high voltage equipment and hardware
- 259207 - Inspect, record and report condition of Medium/High Voltage station apparatus and related equipment



South African Institute of
Occupational Safety and Health
Corporate Member

Recognised for Continuing
Professional Development
(CPD) by SAAMA in accordance
with ECSA guidelines



Recognised Education & Training Provider

GOLD



merSETA
MANUFACTURING, ENGINEERING
AND RELATED SERVICES SETA



ENERGY AND WATER SECTOR
EDUCATION AND TRAINING AUTHORITY