



ONLINE TRAINING & PERFORMANCE SOLUTIONS

FOR A SKILLED WORKFORCE



INDUSTRIAL COURSE CATALOG

2022



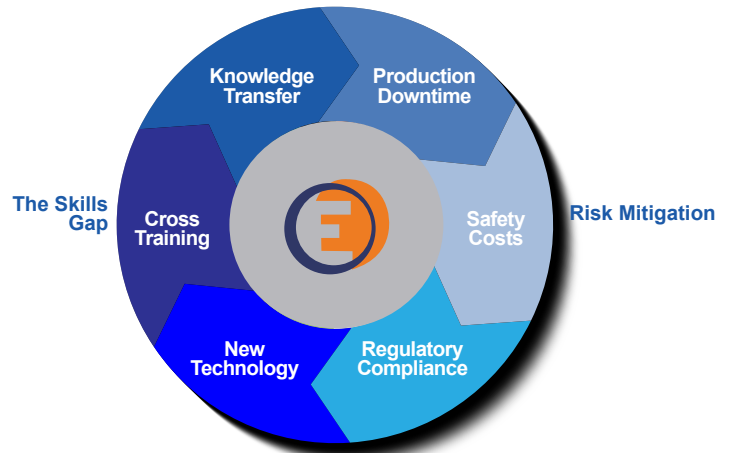
IMPROVE PERFORMANCE. STRENGTHEN COMPLIANCE. REDUCE RISK.

Vector Solutions leverages over 30 years of industrial training experience and a network of more than 200 subject matter experts to provide industrial facilities with engaging course content and technology-based training solutions that help assess and improve employee skills, performance and productivity. We offer over 3,000 cutting-edge training courses that are designed to keep your employees safe, transfer knowledge of fundamentals, and develop industry and job-specific skills that reduce downtime, maintenance costs and more.



Our training portfolio was built on one of the largest libraries of eLearning content in the world from trusted brands that have served the industry for over 25 years (NUS, Williams Learning, Tel-A-Train, PRIMEDIA and CiNet).

Solving Workforce Challenges



Skills Gap

Companies are facing a serious shortage of qualified industrial personnel, driven by a generational shift in the workforce, efficiency pressures, regulatory requirements and new technology. Integrated online training and cross-training can be used for onboarding and apprentice programs and can help ensure safe operation of new equipment, controls or plant additions.

Risk Mitigation

Poor training exposes employees and companies to unplanned events resulting in injury, property loss, lost revenues, lower productivity and litigation. Help your workforce maintain the required level of knowledge to reduce error and downtime, minimize risk and ensure regulatory compliance.



Instructional Design for knowledge transfer and behavior change

Our dedicated team of instructional designers work to create engaging, focused training that helps your employees actively participate to develop job skills, manage technology changes and maintain baseline knowledge and compliance.

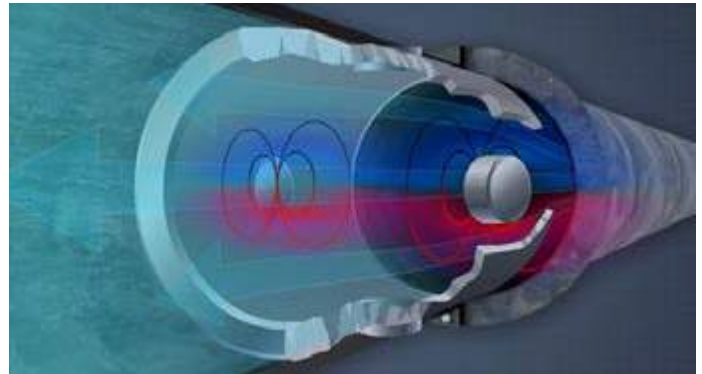
Real-world video and 3D graphics put your students "on location" and improve retention on procedures, troubleshooting and hazardous event management.

Courses Include:

- Real-world situations
- Interactive approach
- Comprehensive evaluations and progress tracking

Highlights Include:

- Course introduction
- High-resolution 3D models and studio-quality motion graphics
- Stated learning objectives
- Learning Aids - Including a main menu with a course outline and glossary of terms
- Interactive Course Modules - In-depth content, using any combination of demonstrative examples, integrated video, review activities, practice questions and rolling audio transcription
- Pre and Post Tests/Exams - To validate learning and the level of achieved skill knowledge after training
- AICC/SCORM compatible



POPULAR TRAINING TOPICS

Basic Workplace & Soft Skills

- Active Shooter Response
- Email Basics
- Equipment And Tools
- HR Compliance
- Sexual Harassment Awareness
- Substance Abuse Awareness
- Supervisor & Leadership Skills
- Train The Trainer
- Workplace Math

Continuous Improvement

- Current Good Manufacturing Practices (cGMP)
- Lean Manufacturing & 5S
- Quality
- Reliability

Corrugated Packaging

- Box Plant Basics

Electrical Maintenance

- Basic Electrical Safety
- Basic Electrical Theory
- Basic Plant Science - Electrical
- Circuit Breakers
- Controls - Variable Speed Drives
- Diagrams
- Electric Motors
- Electrical Components
- Electrical Equipment
- Electrical Maintenance
- Electrical Protections
- Electrical Schematics
- Electrical Wiring
- Generators
- Test Equipment

Engineering

- Engineering - Civil
- Engineering - Electrical
- Engineering - Industrial
- Engineering - Mechanical
- Engineering - Petroleum / Chemical

Facilities Management

- Asset Management
- BIM For Facility Managers
- Building Automation
- Carpentry/Hardware
- Custodial
- Electrical
- Emergency Power
- Energy Management
- Fire Systems/Sprinklers
- FM Fundamentals
- Groundskeeping
- Healthcare
- Heating & Cooling
- HVAC
- Hydronic Systems
- Maintenance Management
- Motors
- Plumbing
- Preventive Maintenance
- Property Management
- Refrigeration
- Restaurant & Hospitality
- Water Treatment
- Work Order Management

Health, Safety, Environment

- Bloodborne Pathogens
- Confined Space
- Construction
- Crane / Forklift Training
- Cranes & Rigging
- Electrical Safety
- Emergency / Fire
- Environment & Hazardous Materials
- Environmental
- Equipment Safety
- Ergonomics / Back Safety
- Fall Protection
- Fire
- First Aid
- General Safety
- General Safety Compliance
- Hazard Communication
- HAZWOPER 8-Hour Annual Refresher *
- Health & Illnesses
- Lockout & Energy Control
- OSHA 10 -Hour Construction*
- Personal Protective Equipment
- Process Safety Management
- Safety Management
- Welding Safety
- Working At Heights

Industrial Maintenance

- Computer Basics
- Electrical
- Equipment & Tools
- Heating & Cooling Systems
- Hydraulics, Pneumatics, Pumps & Valves
- Maintenance Basics
- Math & Science Concepts
- Measurement Methods & Sensors
- Motors, Drives & Conveyors
- Principles Of Manufacturing
- Welding

Instrumentation & Control

- Basic Instrumentation Diagrams
- Instrumentation
- Process Controls - Continuous Process
- Process Controls - Foundation
- Process Controls - Networks
- Process Controls - PLCs

IT & Cybersecurity

- Client Support
- Cloud
- Cybersecurity
- Network
- Server

Laboratory Operations

- Chromatography
- Lomatography
- Laboratory Analysis
- Laboratory Chemistry
- Laboratory Equipment
- Laboratory Operations

Mechanical Maintenance

- Basic Plant Safety
- Basic Plant Science - Mechanical
- Bearings
- Compressor
- Fans
- Gears

Mechanical Maintenance

(Cont.)

- Heat Exchangers
- Hydraulics
- Lubrication
- Mechanical Power
- Pipes And Valves
- Piping And Auxiliaries
- Pneumatics
- Pumps
- Refrigeration Systems
- Seals Shart Alignment
- Valves
- Vibration Analysis
- Welding

Mining Safety (MSHA)

- Emergency Procedures
- Hazard Recognition & Avoidance
- Health & Safety Aspects Of Tasks
- Introduction To The Mine Environment
- Respirators & First Aid
- Rights & Reporting

Other Manufacturing

- Converting
- Nonwovens

Paper

- Broke Systems
- Chemical Additives
- Dry End Equipment
- Finishing
- Forming
- General Papermaking
- Headboxes
- Paper Machine Auxiliary Systems
- Paper Machine Dryers
- Paper Properties & Testing
- Stock Approach
- Stock Preparation
- Storage & Shipping
- Wet Pressing
- White Water & Filtrate Systems

Power Generation & Utilities

- Coal Handling
- Combined Cycle
- Combined Turbine
- Condensers
- Environmental Protection
- Furnaces
- Power Plant Operation
- Power Plant Protection
- Water Treatment
- Air S systems
- Power Boilers
- Turbines & Power Generation
- Water Systems

Process Operations

- Basic Electronics
- Basic Safety
- Boolean Algebra
- Chemistry
- Circuits
- Devices
- Diagrams
- Distillation
- Electronic Test Equipment
- Electronics
- Environmental COnsiderations
- On The Job Training

Process Operations (Cont.)

- Operator Responsibilities
- Plant Operations
- Plant Operations Basics
- Power Suppliers
- Process Equipment And Operations
- Process Sampling
- Refining Technologies
- Refrigeration Systems
- Statistical Process Control
- Storage Tanks
- Troubleshooting

Professional Development

- Communication
- Compliance
- Computer Skills
- Customer Services
- Finance
- Health & Wellness
- Human Performance
- Leadership
- Management
- Project Management
- Sales

Pulping

- Bleaching
- Environmental
- Evaporators
- Fiber Supply
- Kraft Pulping
- Recast
- Recovery
- Supplemental & Recycled Fiber

Tissue

- Broke Systems
- Dry End Equipment
- Forming
- General Tissue Making
- Headboxes
- Stock Approach
- Stock Preparation
- Tissue Machine Auxiliary Systems
- Tissue Properties & Testing
- Wet Pressing
- White Water & Filtrate Systems
- Yankee Dryers

Transmission & Distribution

- Overhead Line
- Rigging
- T&D Construction
- T&D Distribution
- T&D Equipment
- T&D Maintenance
- T&D Safety
- T&D Systems And Theory
- Underground Line / Cable

Transportation Safety

- Driver Safety
- DOT Compliance Basics
- DOT Hazmat

LEARNING MANAGEMENT SYSTEM

Assess, Manage and Develop Learning and Talent

Combine our best-in-class training courses with our all-in-one learning and talent management system for a robust solution for managing safety, compliance, license/credentials, and much more.



Assess

- Self Assessments
- Competency Assessments
- Badging
- Task Verification

Manage/Report

- Credential Management
- Tracking & Reporting on Learning Goals
- Schedule & Manage Instructor-Led Training
- Create User Groups and Attributes

Develop

- Custom Credential Creation
- Custom Course Builder
- Social Collaboration Forums
- Multilingual Interface

Innovative Technology Solutions

Knowledge Assessments

Identify the skills gaps between your employees' existing knowledge, skills and abilities vs. their development goals. Use this tool to identify employee skills deficiencies and automatically prescribe necessary training.

Incident Tracking

Our cloud-based Incident Tracking functionality allows you to generate more timely, accurate incident reports, and to take a more proactive approach to managing risk by identifying areas prone to accidents.

Vector Scheduling

Solve complex employee scheduling and resource management headaches, oversee employee hours, manage overtime, simplify communication and much more with our innovative scheduling solution.



Mobile Apps

- Whether on the job site or plant floor, users can access bite-sized training clips at the point of need via RedVector GO.
- Other mobile learning apps including "Learn", "Credit" and "Search" are built to help you manage training more effectively and efficiently.



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