



AEC TRAINING SOLUTIONS

Continuing Education and Learning Management System (LMS)

Architecture | Engineering | Construction | Facilities Management

IMPROVE PERFORMANCE. STRENGTHEN COMPLIANCE. REDUCE RISK.

**For every \$1 spent, receive \$30 worth of productivity.
Generate 26% more revenue per employee.**

It is estimated that businesses spend up to \$170 billion a year on costs associated with occupational injuries and illnesses, according to the U.S. Department of Labor. In addition, according to Gallop, nearly 70% of workers are not engaged at work. That amounts to nearly \$350 billion in lost revenue in the U.S. alone. These are two big reasons why AEC firms ranked training/education as one of their top business development tactics for 2016 (at 41.8%).

To combat costs and improve performance, companies who use eLearning tools and strategies have the potential to boost productivity by up to 50%. For every \$1 that a company spends, it's estimated that they can receive \$30 worth of productivity. Companies who do offer eLearning and on-the-job training generate an estimated 26% more revenue per employee.



RedVector's AEC division sets the standard for excellence in online continuing education and training for the design, construction and facility management industries, helping organizations improve productivity and reduce costs. Through our award-winning Learning Management System (LMS), we offer large-scale corporate training solutions including engaging courses and a full range of tracking and reporting features.

With an online library of approximately 2,250 courses authored by more than 200 subject matter experts and accredited by 100 national and state bodies, RedVector helps thousands of firms in all 50 states train and develop their employees and increase the bottom line.

REDVECTOR TRAINING SOLUTIONS

RedVector has the most dynamic, up-to-date online course library for professionals working in the design and construction industry, including architects, engineers, contractors, land surveyors, landscape architects, interior designers, building inspectors and facility managers. Our courses provide a surefire way for your staff to meet continuing education requirements for a wide variety of licenses and certifications. Nearly all of the training courses within RedVector's libraries have been awarded approvals and accreditations from state and national boards, professional associations and other accrediting organizations.

Courses offered by RedVector have been reviewed to meet technical requirements of the [Board of Certified Safety Professionals \(BCSP\)](#) for the following certifications: **CSP, ASP, OHST, CHST, CET.**

All of our quality online education courses are accessible from desktop computers, and many are now accessible via tablet and mobile devices, making them well-suited for your professionals with busy and billable schedules.



ONLINE UNIVERSITY

Your own Online University can be a substantial tool in helping your company ensure safety, improve skills, meet continuing education and regulatory compliance requirements, support professional development activity, and recruit and retain the best employees in a competitive field.

Your Online University will be a custom-branded eLearning platform hosted by RedVector. This will include your firm's branded color scheme, logo and a single sign-on so that each student experiences seamless enrollment and course access. Our pricing includes all standard equipment, maintenance, support, backup, recovery and subscribed courses.

INSTRUCTIONAL DESIGN

RedVector's dedicated team of instructional designers work to create engaging, focused training that emphasizes the use of real-world video, interactive learning techniques and comprehensive tracking to ensure active employee participation and retention.



Courses Include:

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

Highlights Include:

- Course introduction
- 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, still and animated graphics, integrated video, review activities, practice questions and rolling audio transcription
- Tests/Exams - To validate learning and the level of achieved skill knowledge after training

LEARNING MANAGEMENT SYSTEM, SERVICE AND SUPPORT

The RedVector Learning Management System (LMS) contains a robust license database and license management tools.

Using the LMS, you may:

- Search license requirements and national certification requirements
- Monitor CE deadlines by date
- Assign courses to students based on job role, division, onboarding rules
- Upload custom content within your own branded Online University
- Track and report completions and manage licenses

RedVector online training courses can also be integrated with your organization's existing LMS.

INNOVATIVE TECHNOLOGY SOLUTIONS

Competency Assessments

ASSESS. EVALUATE. IMPROVE. RedVector competency 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 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.

Microlearning App

Whether on the job site or plant floor, users can access bite-sized training clips at the point of need via RedVector GO.

REDVECTOR AEC COURSE OFFERINGS

Civil Engineering

Construction, Structural, Environmental, Geotechnical, Transportation, Water Resources

- Engineering Ethics
- Land Development
- Sediments, Erosion, Drainage
- Highways, Streets, Traffic, Parking
- Liquefied Natural Gas
- Environmental
- Wastewater, Hazardous Waste
- Stormwater, Wetlands
- Geotechnology
- Concrete, Wood, Steel
- Structural Design
- Seismic
- Hurricane Mitigation, Wind Design
- Energy Efficiency
- Design Build
- Codes & Standards
- BIM

Mechanical Engineering

- Engineering Ethics
- HVAC
- Refrigeration
- Indoor Air Quality
- Fuel & Combustion Systems
- ASHRAE
- Mechanical Science
- Energy Conversion
- Electric Motors
- Codes & Standards
- Pipes & Pumps

Electrical Engineering

- Engineering Ethics
- Arc Flash, NFPA 70E
- NEC Code
- Alternative Energy
- Energy Efficiency
- Lighting
- Power Generation & Distribution
- Microgrids
- Transformers
- Codes & Standards
- Solar/Photovoltaics
- Electric Motors
- Data Centers

Petroleum Engineering

- Engineering Ethics
- Fuel & Combustion Systems
- Liquefied Natural Gas
- Petroleum Exploration, Recovery, and Transportation
- Natural Gas
- Petroleum Instrumentation and Measurement
- Liquid Process Piping

Land Surveying

- Boundary Disputes
- Ethics for Land Surveyors
- Metes & Bounds
- Easements
- Court Decisions

Architecture

- Accessibility/ADA
- Codes & Standards
- Space Planning
- Interior Lighting
- Building Systems for Designers
- Sustainable Design
- Energy Efficiency
- Historic Preservation
- Building for Senior Living
- Bath Planning
- Design-Build
- Cost Management
- BIM

Landscape Architecture

- Accessibility/ADA
- Codes & Standards
- Site Engineering
- Parking Lot Design
- Storm Water Management
- Irrigation
- Regenerative Landscape Design
- Soils
- Road Alignment
- Green Landscape Design

Interior Design

- Accessibility/ADA
- Codes & Standards
- Green Design
- Furniture Design
- Drawing Shortcuts
- Space Planning
- Interior Lighting
- Building Systems for Designers
- BIM

Construction & Trades

Commercial/Residential Building, Electrical, Plumbing, HVAC

- Energy Efficiency
- Design Build
- Green Building
- Building Systems
- Roofing Systems
- Wind Mitigation
- Land Development
- Concrete
- HVAC/Refrigeration
- Indoor Air Quality
- Codes & Standards
- Arc Flash, NFPA 70E
- NEC Code
- Documentation
- Arbitration, Mediation, Claims
- BIM
- Mold Remediation

Health, Safety & Environment

- CPR/First Aid
- Office Safety
- Bloodborne Pathogens
- Confined Space
- Crane/Forklift Safety

- Driving Safety
- Electrical Safety, Arc Flash, NFPA 70E
- Ladders/Scaffolds
- Personal Protective Equipment
- Respiratory Protection
- Hazardous Materials/ Communication
- Ergonomics/Back Safety
- Fall Protection
- Fire/Emergency
- Mold, Lead, Asbestos
- HAZWOPER 8 hr. Refresher
- HAZWOPER 24 & 40
- OSHA 10 Hour Construction
- OSHA 10 Hour General Industry
- OSHA 30 Hour Construction
- MSHA

Home/Building Inspection

- Accessibility/ADA
- Codes & Standards
- Report Writing
- Florida Advance Building Code

Codes & Standards

- American Concrete Institute - ACI
- Americans with Disabilities Act - ADA
- American Society of Civil Engineers - ASCE
- American Society of Heating, Refrigerating, and Air-Conditioning Engineers - ASHRAE
- International Building Code - IBC
- International Energy Conservation Code - IECC
- International Green Construction Code - IgCC
- International Residential Code - IRC
- International Fire Code - IFC
- International Plumbing Code - IPC
- International Mechanical Code - IMC
- International Fuel Gas Code - IFGC
- National Electrical Code - NEC
- Florida Advance Building Code

Green/Sustainable/LEED

- Energy Efficiency
- Green Design/Building
- ISI Envision Rating System
- Green Globes
- Sustainable Trends
- Alternative/Renewable Energy
- Flooding, Water Pollution
- Codes & Standards
- LEED v4 Building Design & Construction - BD&C
- LEED v4 Operations & Maintenance - O&M
- LEED v4 Interior Design & Construction - ID&C
- LEED v4 Homes
- LEED v4 Neighborhood Design - ND
- Well AP
- Fitwel

Project Management

- Delivery Systems, Design Build
- Documentation/Reports
- Microsoft Project
- Contracts

- Planning/Scheduling
- CPM Scheduling
- Budgets
- Communication/Leadership
- Time Management
- Quality Control
- Risk Management

Professional Development

- Communication, Presentations
- HR Compliance – Sexual Harassment Prevention, FMLA, Discipline, Hiring, Termination, etc.
- Violence in the Workplace
- Word, Excel, PowerPoint, Outlook (2007, 2010, 2013)
- Customer Service
- Financial Management
- Health & Wellness
- Leadership, Coaching
- Management
- Process Improvement
- Quality Control
- Sales, Business Development
- AEC Success Series
- Cyber Security
- Advance Project Management Series

AutoDesk

- AutoCAD
- 3ds Max
- Advance Steel
- Dynamo
- Green Building Studio
- Hydraflow Extensions
- Inventor
- Maya
- MotionBuilder
- Mudbox
- Navisworks
- ReCap
- Revit
- Showcase
- SketchBook
- Storm and Sanitary Analysis
- Vault Professional
- Vehicle Tracking
- VRED Professional
- BIM 360 Field
- Configurator 360
- FormIt 360
- Fusion 360
- InRoads 360
- Insight 360
- Mockup 360
- PLM 360



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