



INDUSTRIAL TRAINING SOLUTIONS for a Skilled Workforce

Industrial Manufacturing | Chemical Processing | Power Generation
Oil & Gas | Metals & Minerals | Pulp & Paper | Food & Beverage
Pharmaceutical Manufacturing

REDUCE DOWNTIME AND BOOST PRODUCTIVITY WITH eLEARNING

**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. Combine these costs with the expenses related to 30% or greater downtime — which most industrial organizations suffer today during their scheduled production time.

To combat these 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. And companies who do offer eLearning and on-the-job training generate an estimated 26% more revenue per employee.

Specifically, by leveraging productive and preventative maintenance training methods in the workplace, companies have seen a wealth of benefits, including plant capacity increased by 10% and machines' capacities by 50%-60%. Overall, maintenance costs can be reduced by anywhere from 10%-50%.

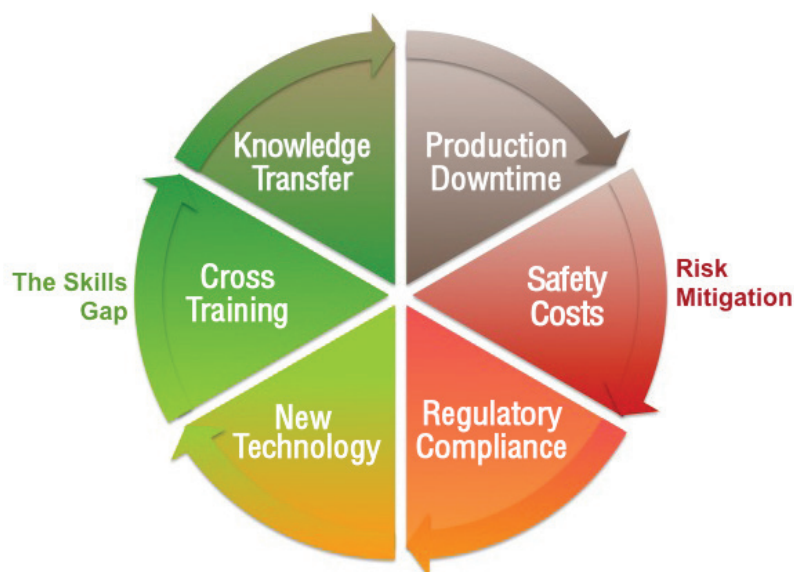
RedVector leverages over 30 years of industrial training experience and a network of more than 200 subject matter experts to provide industrial facilities with engaging course content and technology-based training solutions that help assess and improve employee skills, performance and productivity.

We offer over 1,000 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.



The RedVector 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, as well as efficiency pressures, regulatory requirements and new technologies.

- **Knowledge Transfer** – Integrated online training can be used to help you capture/disseminate procedural know-how and create robust onboarding and apprentice programs to ensure continuity of knowledge.
- **Cross Training** – Baseline skills and refresher training programs establish specific curriculum for each job role and task, making it easier to cross train your workforce.
- **New Technology** – Training is crucial to secure efficiency gains and safe operation of your 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. Constantly maintaining a required knowledge level for the industrial workforce reduces error and minimizes the risk.

- **Production Downtime** – The financial impact of a shutdown caused by incorrectly operated/maintained equipment or avoidable accidents can be significant.

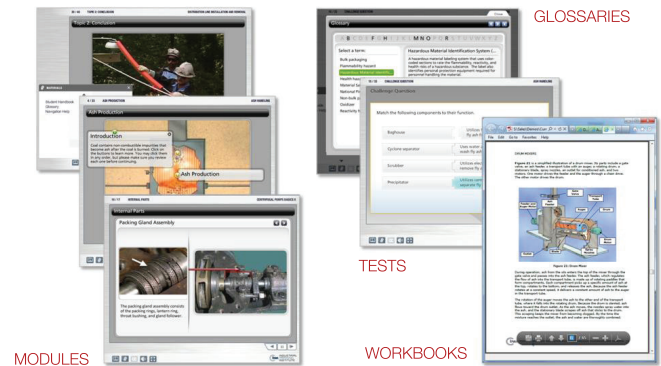
- **Safety** – Avoiding personal injuries and exposure to litigation resulting from poor procedural understanding or equipment maintenance is critical.
- **Regulatory Compliance** – LMS and accreditation systems that record training completion, scores, progress and certification levels are essential record keeping assets.

INSTRUCTIONAL DESIGN FOR KNOWLEDGE TRANSFER AND BEHAVIOR CHANGE

RedVector's 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 puts your students "on location" and improves retention on procedures, troubleshooting and hazardous event management.

- Online workbooks and glossaries
- Pre and post-tests



LEARNING MANAGEMENT SYSTEM, SERVICE AND SUPPORT

The RedVector Learning Management System (LMS) was developed to organize and manage training in one central location.

- Assign courses to students based on job role, division, onboarding requirements, etc.
- Upload custom content within your own branded online university
- Manage, track and report online training, as well as additional Instructor Led Training (ILT)
- Perform competency assessments

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 INDUSTRIAL TRAINING CURRICULUM

Courses have been sequenced and grouped into 12 competency categories, detailed as follows:

Basic Workplace Skills
Equipment and Tools
Rigging
Workplace Math

Health, Safety, Environment
Bloodborne Pathogens
Confined Space
Construction
OSHA 10 Hour
Crane / Forklift Training
Driving Safety
Electrical Safety
Emergency / Fire
Environment & Hazardous Materials
Ergonomics / Back Safety
Fall Protection
General Safety Compliance
Hazard Communication
HAZWOPER
Laboratory Safety
PPE
Process Safety Management
Welding Safety

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

Laboratory Operations
Chromatography
Lab Technician Math
Laboratory Analysis
Laboratory Chemistry
Laboratory Equipment
Laboratory Operations

Process Operations
Basic Safety
Chemistry
Diagrams
Distillation
Environmental Considerations
On the Job Training
Operator Responsibilities
Plant Operations
Plant Operations Basics
Process Equipment and Operations
Process Sampling
Refining Technologies
Refrigeration Systems

Statistical Process Control
Storage Tanks
Troubleshooting

Electronics
Basic Electronics
Boolean Algebra
Circuits
Devices
Electronic Test Equipment
Numerics
Power Suppliers

Instrumentation & Control
Basic Instrumentation Diagrams
Instrumentation (16)
Process Controls - Continuous Process
Process Controls – Foundation
Process Controls – Networks
Process Controls – PLCs

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 Training
Electrical Protection
Electrical Schematics
Electrical Wiring
Generators
Test Equipment

Mechanical Maintenance
Basic Plant Safety
Basic Plant Science - Mechanical
Bearings
Compressors
Fans
Gears
Heat Exchangers
Hydraulics
Lubrication
Mechanical Power
Pipes and Valves
Piping and Auxiliaries
Pumps
Refrigeration Systems
Seals
Shaft Alignment

Valves
Vibration Analysis
Welding

Power Generation
Boilers
Coal Handling – Equipment
Coal Handling – Fundamentals
Coal Handling – Moving
Coal Handling – Transport
Combined Cycle
Combustion Turbine
Condensers
Environmental Protection
Furnaces
Power Plant Operation
Power Plant Protection
Turbines
Water Treatment

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

Professional Development
Communication
Compliance
Computer Skills
Customer Service
Finance
Health & Wellness
Human Performance
Leadership
Management
Sales

