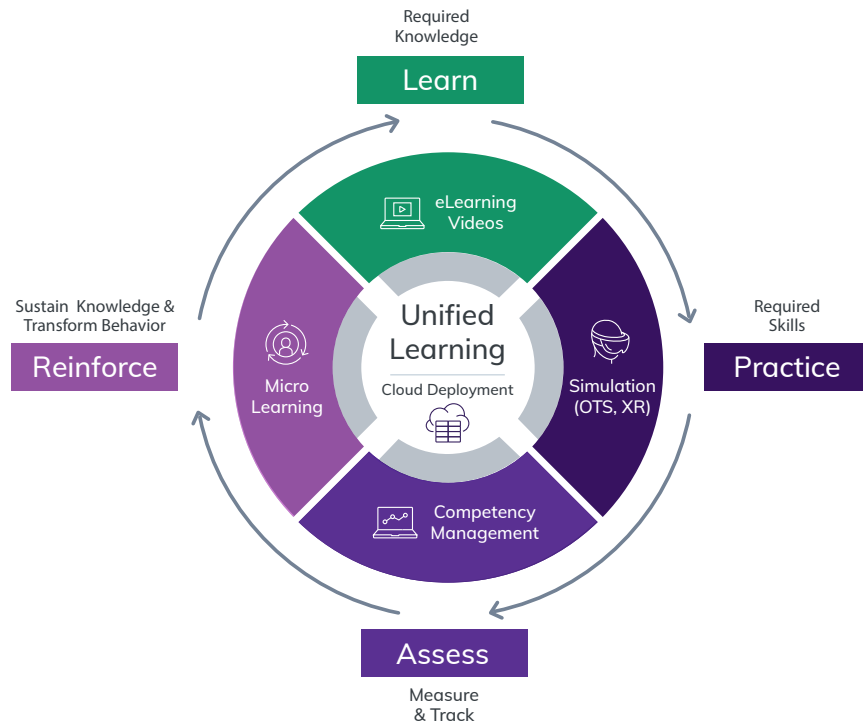# AVEVA™ Unified Learning

Experiential learning to build and sustain competence for today's industrial workforce. Eliminate operator error and ensure consistent performance once and for all.

People are at the heart of every industrial operation. Building and maintaining a competent workforce is essential to avoid safety, environmental, and production issues. Companies already invest substantial time and money in training, but few are getting the right return.

AVEVA Unified Learning transforms organizational performance and lowers total training costs, creating an extraordinary return on investment. It is an integrated and scalable training solution that combines the flexibility of cloud deployment and subscription-based pricing to support an enterprise-wide multi-site continuous learning organization.

AVEVA Unified Learning combines eLearning, simulation, extended reality, learning management and microlearning, as part of a standardized yet customizable framework, generating measurable improvements in workforce competency.

Required
Knowledge

Learn

Sustain Knowledge &
Transform Behavior

Reinforce

eLearning
Videos

Micro
Learning

**Unified
Learning**

Cloud Deployment

Simulation
(OTS, XR)

Competency
Management

Required
Skills

Practice

Assess

Measure
& Track

The Learning Cycle

AVEVA Unified Learning is a cloud-based training hub that can integrate multiple technologies into a scalable industrial learning solution that addresses all four stages of the learning cycle.

1. Learn

- Provides required knowledge through targeted training material.

- Includes what-if scenarios that use branching to demonstrate cause and effect.

Fits into the workers' schedules, increasing productivity and cutting down on instruction time and cost.

2. Practice

- Learn by doing in a safe and controlled environment that mimics real life.

- Uses OTS to replicate the process dynamics and control configuration, and XR to replicate the physical assets in a 3D environment.

Learning by doing increases retention by 7x.

3. Assess

- Ensures workers are competent with built-in assessments that are integrated right into the eLearning, OTS and XR models.

- Integrate learning management to track utilization, performance, and completion.

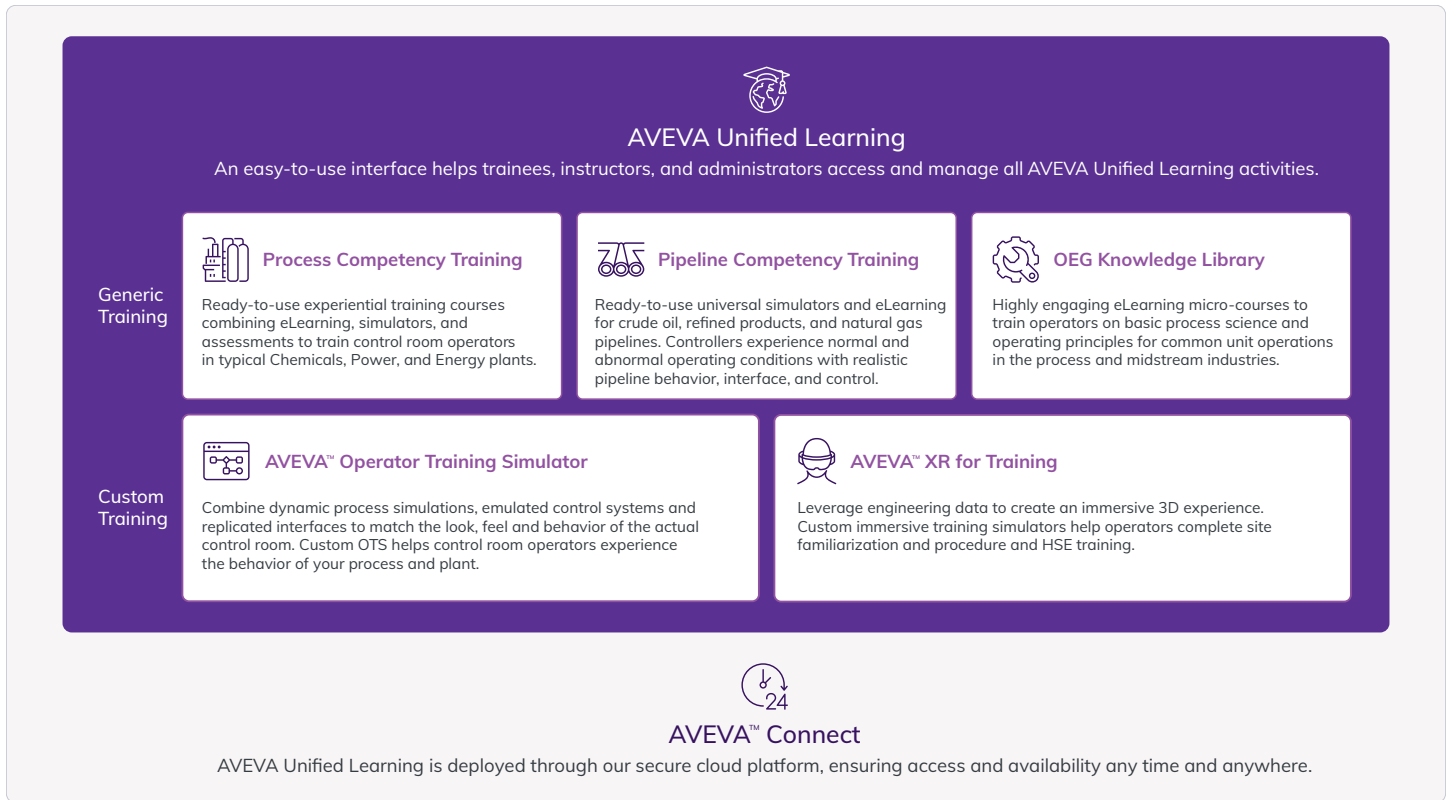Centralizes training deployment and simplifies processes.

4. Reinforce

- Sustains competence and results with short and frequent reinforcement training sessions and job aids.

- Drives behavior and culture change by ingraining safe practices and ensuring workers instinctively know all the crucial information when they most need it.

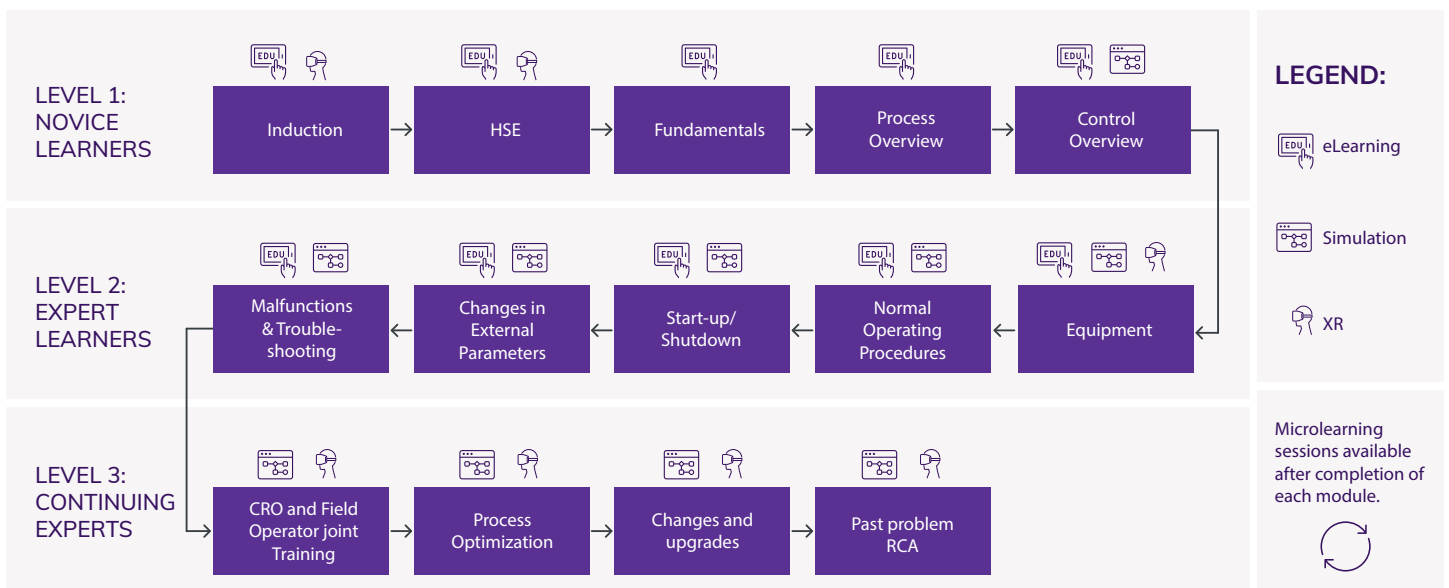Enables continuous learning to ensure critical behaviors stick.

Product Offering

AVEVA Unified Learning provides cloud access to our vast portfolio of training and simulation applications. It creates a cohesive learning experience that can blend ready-to-use options with tailor-made solutions.

AVEVA Unified Learning

An easy-to-use interface helps trainees, instructors, and administrators access and manage all AVEVA Unified Learning activities.

Generic Training

Process Competency Training

Ready-to-use experiential training courses combining eLearning, simulators, and assessments to train control room operators in typical Chemicals, Power, and Energy plants.

Pipeline Competency Training

Ready-to-use universal simulators and eLearning for crude oil, refined products, and natural gas pipelines. Controllers experience normal and abnormal operating conditions with realistic pipeline behavior, interface, and control.

OEG Knowledge Library

Highly engaging eLearning micro-courses to train operators on basic process science and operating principles for common unit operations in the process and midstream industries.

Custom Training

AVEVA™ Operator Training Simulator

Combine dynamic process simulations, emulated control systems and replicated interfaces to match the look, feel and behavior of the actual control room. Custom OTS helps control room operators experience the behavior of your process and plant.

AVEVA™ XR for Training

Leverage engineering data to create an immersive 3D experience. Custom immersive training simulators help operators complete site familiarization and procedure and HSE training.

AVEVA™ Connect

AVEVA Unified Learning is deployed through our secure cloud platform, ensuring access and availability any time and anywhere.

AVEVA™ Unified Learning - Modules and Features

AVEVA Unified Learning creates a career progression platform that takes industrial workers from Novice to Expert. Below is an example of what an operator's typical learning journey might look like.

LEVEL 1: NOVICE LEARNERS

Induction → HSE → Fundamentals → Process Overview → Control Overview

LEVEL 2: EXPERT LEARNERS

Malfunctions & Trouble-shooting ← Changes in External Parameters ← Start-up/Shutdown ← Normal Operating Procedures ← Equipment

LEVEL 3: CONTINUING EXPERTS

CRO and Field Operator joint Training → Process Optimization → Changes and upgrades → Past problem RCA

LEGEND:

- eLearning
- Simulation
- XR

Microlearning sessions available after completion of each module.

Did you know...? People lose 90% of the content within 30 days of the training event if the content is not reinforced. One and done training has no ability to drive retention and sustain results.

Business Value

- **Close the competency gap** by capturing knowledge from the retiring workforce and transferring it to the new generation, all while minimizing the amount of resources needed to implement training.

- **Eliminate inconsistencies in performance** that arise from divergent practices by standardizing training and processes, supporting operational excellence efforts.

- **Empower remote working** with a resilient, cloud-based platform that scales up or down at any time and removes geography as a barrier to collaboration.

- **Sustain results and drive behavior / culture change** by enabling a continuous learning organization that reinforces workers' knowledge and ingrains safe practices to retain competency long after the initial training event, ensuring workers instinctively know crucial information when they most need it.

- **Extend the value of the digital twin** by leveraging prior investments in simulation and engineering to improve worker performance throughout the life of the plant.

- **Lower total training program cost** by shortening time to competence while also reducing travel, hardware, and IT maintenance expenses.

| 50% cost reduction | 40-60% reduction in learning time | 50% boost in productivity | 7x increase in knowledge retention |

Improved safety. Reduced downtime.
Maximized production. Reduced human error.

For more information visit aveva.com/en/products/unified-learning/

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