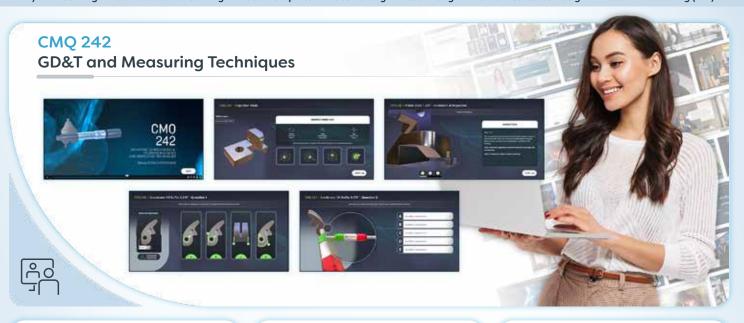


TRAINING AND WORKFORCE DEVELOPMENT

Hybrid Learning • Web Interactive Learning • Motion Graphics • Video Editing • Visual Design • Human-Centered Design • Virtual Live Training (VLT)





The Defense Acquisition
University (DAU) is the
Department of Defense's
central training institution
for acquisition professionals.
DAU equips the Defense
Acquisition Workforce with
the skills and knowledge
needed to deliver effective,
affordable warfighting
capabilities, strengthening
national security through
agile, mission-ready
acquisition support.



Challenge

DAU sought to enhance the real-world readiness of Quality Assurance Specialists (QAS) by developing an immersive simulation that. trains them to perform dimensional inspection and measurement tasks. The primary challenge was replicating the complex, hands-on skillset of interpreting engineering models, selecting proper tools, and performing accurate measurements in a virtual training environment-ensuring transferability to field performance.



CTEC developed a simulation aligned with CMQ 242 course. This HTML5-based, interactive 3D simulation mirrors field inspection tasks, quiding learners through tasks like selecting tools, calibrating instruments, and interpreting results. Built using three.js, it offers randomized scenarios for varied practice. A characterdriven interface enhances engagement, while embedded feedback and debriefs reinforce learning.