

How Simulation-Based Learning Improved the Learning Outcome for Workers



CLIENT OVERVIEW:

The client is an EdTech company that serves the training market for higher education, K-12, libraries, professionals, and the workforce.

PROBLEM

The client wanted to create innovative and interactive training modules for construction workers to give them real-time experience. To achieve this, the client needed 60+ interactive training modules and an analytical engine to measure their progress in real-time. Another challenge was to ensure content accessibility of content irrespective of the device.

SOLUTION

The client-provided content was analyzed by our subject matter experts to ensure it was industry compliant and reflected the current training needs. The content was then converted into visual storyboards via an instructional design team with art specifications. A well-defined and detailed architectural analysis process was utilized to implement the tools necessary for the simulation. Additional solutions included:

- An open line of communication to ensure timely delivery of modules with a collaborative workflow
- Each module was designed to satisfy customer end-results including assessment points, scoring, and response time
- A state of the art high-availability server with 24x7 monitoring was built to ensure proper maintenance of the modules as well as provide full access to users
- Device-agnostic content was provided via handheld devices for anytime and anywhere access

RESULT

- 40% improvement in training outcomes compared to traditional methods
- 30% reduction in training time
- The simulation methodology pinpointed strengths and weaknesses of the learners with detailed analytics

ABOUT US:

Globally, 8 of the top 10 publishers and 3 of the top 5 ecommerce retailers trust Lumina Datamatics as their strategic partner in providing content, analytics, and technology solutions. Our clients benefit from the reduced time-to-market for new products and services, optimized business processes, operational efficiencies, improved competitiveness, and relevant insights. Lumina Datamatics' expert solutions comprise in-house platforms, partnerships with global technology leaders, and more than 3000 professionals across Germany, India, the UK, and the United States. This global resource pool services our customers across four continents: North America, Asia, Australia, and Europe.