

ADAPTIVE TRAINING

charles river analytics



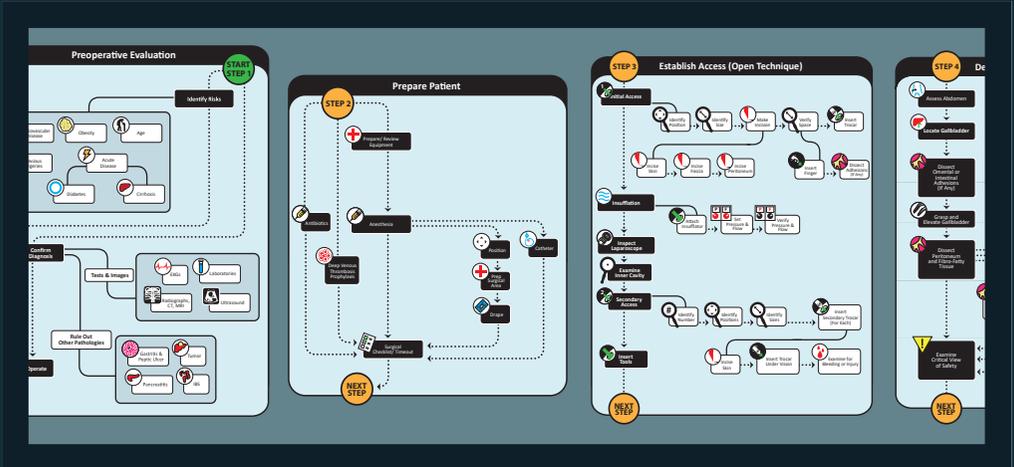
How do I make sure my trainees are getting the practical knowledge and skill that they need and not just getting good at the training system?

Even in standalone part-task or computer-based training, the time that trainees engage with the system is the most expensive element of your training investment. These costs escalate as your organization leverages distributed, simulation-based training.



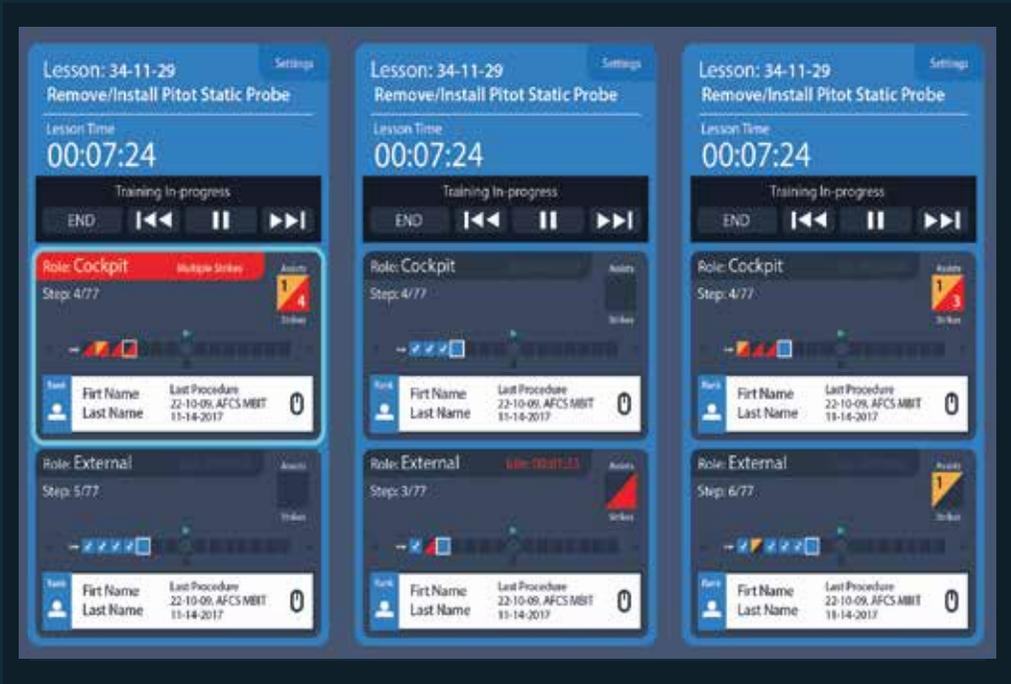
Charles River Analytics develops adaptive and cost-effective training solutions that ensure trainees stay engaged and achieve the desired transfer of skills and knowledge. We offer:

Skill Modeling – We offer an affordable way to enhance procedural training through clearly defined steps, object metrics, and dependencies



Behavior-Based Modeling and Simulation Architectures – Build and execute intelligent, adaptive responses into your systems by incorporating dynamic and robust behaviors





These solutions ensure trainees remain engaged with the subject matter and get the most out of their training sessions without putting undue strains on your budget.

When you select Charles River Analytics technology to enrich your simulation-based training, our proprietary processes and tools ensure that your investment in training technology translates into engagement and learning by trainees.

Using Games to Train Avionics Maintenance Technicians

Charles River Analytics worked with the AFRL to develop game-based training that can revolutionize aircraft maintenance training. We developed an immersive learning environment (MAGPIE) that combines the virtual and physical worlds to turn a novice F-15E aircraft avionics technician into an expert. MAGPIE dynamically delivers game-based maintenance training that is responsive to individual learning needs, performance, and instructor guidance.

“Currently, you have to go to the flight line to actually teach [mission-critical maintenance techniques],” said Second Lt. Mitchell Lichtenwald, program lead in AFRL’s Airman Systems Directorate. “The new MAGPIE effort is really about helping the Warfighter to train better.”

With MAGPIE, the Air Force can successfully harness the true power of game-based training for maintenance teams. Its adaptive, game-based environment provides a more agile experience than classroom training and lowers training costs with intuitive authoring tools for course designers.



About Charles River Analytics

Founded in 1983, Charles River Analytics is an Employee-Owned Small Business, now with nearly 200 employees, many of whom hold advanced degrees. Our clients are a “who’s who” of government and industry. The original focus of our business was working with the Department of Defense, and we continue to enjoy ongoing relationships supporting DoD, Army, Air Force, and Navy organizations. Today, our relationships with clients throughout government and industry enable us to bring best-in-class research and ideas to the projects we undertake for our customers.

We work with our clients to translate new ideas and research into actionable solutions to the opportunities most important to their success. Charles River Analytics has a solid track record of success in providing our clients with AI systems, technology, software tools, and design and analytic services in a variety of settings. In recent years, we have worked defense, intelligence, medical technology and health care, training, transportation, space, cyber security, and more.



U.S. Prime Contractor



Employee-owned Small Business

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