

# NEWTON DESIGN

Simulation and Training  
Equipment

*Simulation Innovation.*





## ▶ YOU NEED EXPERTS IN TRAINING EXPERTS.

EXPAND YOUR TRAINING CAPABILITIES AND EMPLOYEE POTENTIAL WITH **NEWTON DESIGN**. FOUNDED IN 1996 BY VISIONARY DESIGNER JESSE NEWTON, OUR NATIVE-AMERICAN OWNED COMPANY IS A QUALITY SUPPLIER OF SIMULATION TRAINING EQUIPMENT FOR THE AVIATION INDUSTRY, LAW ENFORCEMENT, AND THE MILITARY. LOCATED IN TULSA, OKLAHOMA, NEWTON DESIGN IS FAMILY-OWNED AND STILL HOLDS TO THE HONOR, EXCELLENCE, AND INNOVATIVE SPIRIT OF OUR FOUNDER.

We're small in size, but big in ingenuity. Our streamlined approach keeps our overhead low and free of any heavy, bureaucratic structure. Factor in our adeptness in making the most of our engineering, design, and manufacturing talent, and you've got the highest quality design and production at the most competitive prices.



U.S. Department of Homeland Security  
Small Business Achievement Award

## ▶ MISSION

To provide the customer with innovative, custom-designed and built simulation and training systems at competitive prices.

## ▶ VISION STATEMENT

To continue growing Newton Design while maintaining our industry-leading customer satisfaction and operating with honor and integrity.

## ▶ VALUES

In all our relationships, Newton Design is committed to the following core values:

- ▶ Strong leadership
- ▶ Integrity
- ▶ Quality
- ▶ Customer satisfaction
- ▶ People working together
- ▶ Employee engagement
- ▶ Community involvement







## ► COMMERCIAL AVIATION TRAINERS



### ► Aircraft Door

Educate your cabin crew on proper door operation with our custom-designed and built door trainers, which accurately duplicate the forces required to open and close the door in normal and emergency modes. Our Door Trainers can simulate any malfunction scenario that cabin crews may experience.



### ► Cabin Emergency Evacuation

Prepare your Flight Attendants for proficient, rapid response in emergency situations with our CEETs, which can be manufactured for virtually any type of commercial aircraft. Simulated smoke, functional escape slides, oxygen mask drops, and altitude positioning systems enhance the training realism.



### ► Cabin Service

Train your cabin crew for efficient, flawless service using our custom high-fidelity simulated aircraft cabin service trainers. Each trainer can be designed to meet passenger accommodations specific to your airline. Specific to Cabin Service, we have developed an array of simulated aircraft seats unlike any others available on the market today.



### ► Custom Solutions

If your training department has unique requirements, our experience in design and production will provide you with simulators that can be used for a variety of training purposes. We love achieving what others find difficult, we invite you to challenge us!





## ▶ SIMULATORS

### ▶ Aviation Applications

The quality and precision of Newton Design simulators have made us a top choice for aviation applications. We have designed and manufactured simulators for domestic and foreign commercial airlines, business jet operators, airport authorities, the Transportation Security Administration, the Federal Aviation Administration and other aviation related entities. Newton Design also takes pride in partnering with industry leaders such as Flight Safety.



## ▶ MILITARY AND LAW ENFORCEMENT

- ▶ Military Trainers
- ▶ Law Enforcement Tactics Trainers
- ▶ Battlefield Effects Simulators

Our U.S. Military requires advanced, thorough training to prepare them for their crucial domestic and foreign missions. Newton Design is proud to supply our armed forces with the highest quality simulation and training equipment. Simulator customers include the U.S. Military, U.S. & Foreign Law Enforcement Agencies, and government prime contractors such as Flight Safety and Lockheed Martin.

CORE COMPETENCIES

## ▶ CAPABILITIES

- ▶ Design and Development
- ▶ Manufacturing
- ▶ Documentation & Support

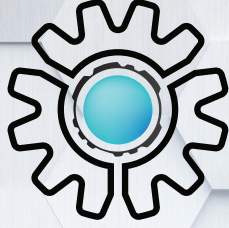
We offer a full range of design, development, manufacturing, documentation and support services. Through our partner, **Quantified Design Solutions**, we also offer advanced support technology, professional support, training system development, and training system evaluation services.



- ▶ To discuss your training project needs, contact **Newton Design at 918-266-6205 or [info@newton-design.com](mailto:info@newton-design.com)**







# QUANTIFIED

## DESIGN SOLUTIONS

*Research.  
Simulation.  
Innovation.*





## TRAINING SYSTEM DESIGN AND EVALUATION

With more than 15 years experience in conducting training research and developing training systems, **Quantified Design** merges live, computer-based, virtual, and augmented training modalities to meet our client's learning goals. We blend learning science with cutting edge training technology to create balanced systems that produce measurable learning improvements.



## TURNKEY COMPUTER-BASED, MOBILE, AND EXTENDED REALITY TRAINING

Meet your targeted training goals with Quantified Design's turnkey training systems, developed for domains ranging from air cabin crew to military and medical training. Our team works with all users of the system, including learners, instructors, and maintainers, to create easy-to-use training suites that optimize the training process. From requirements definition to large-scale installations, our team manages the project to deliver a turnkey solution that works without disrupting current processes.



## PROFESSIONAL SUPPORT SERVICES

Our team has the program management, logistics, and acquisition experience required to support federal acquisition and program management efforts. Quantified Design Solutions provides acquisition, kitting, logistics, product improvement, professional services and training support. Through a partnership with Newton Design, our team also provides medium and large-scale manufacturing planning. Whether you are acquiring systems or optimizing your own designs, Quantified Design can reduce costs while improving reliability.

## CORE COMPETENCIES







## KEY PRODUCTS

### Cabin Crew Virtual Readiness (C2VR) Trainer

- Turnkey virtual reality aircraft cabin crew training platform
- Scalable to any size to support single student training to simultaneous full class training
- Self-guided training reduces instructor workload
- Student performance presentation and tracking allows for individual performance reviews or class-wide performance deficiency evaluations
- Capability to be set up offline or integrated with a learning management system

### Custom Medical Training Suites

- Customized mobile, virtual, and augmented reality training platforms
- Medical training tasks customized to training program needs
- Student performance evaluation and root cause analysis reports
- Capability to integrate with external training platforms and learning management systems



## CUSTOMERS

**American Airlines**



To discuss your training needs, contact:

**Quantified Design Solutions at**

• [info@quantifieddesign.com](mailto:info@quantifieddesign.com)

• 407-362-9484.