

CUBIC RANGE DESIGN SOLUTIONS

RANGE SOLUTIONS

With extensive experience and market knowledge Cubic Range Design Solutions (CRDS) can advise our clients on the most appropriate solution to meet their training requirements and budget. Our designs integrate the most advanced shooting range equipment and technology available today with specialist facilities such as mock-ups, CQB houses, and Urban Operation facilities.

Shooting Ranges

CRDS has a proven track record as a range design consultant and contractor for a variety of indoor and outdoor shooting ranges, including 100m tactical drive-in ranges for military and police units. Our team of range designers, architects, project managers, and engineers work closely with end users to analyse their training needs. This analysis is used to develop the final design and deliver a safe, effective training facility.



CQB Houses

CRDS has been at the forefront of Close Quarter Battle (CQB) house design and fit-out for over 30 years, having delivered a number of the world's most sophisticated live-fire training facilities to various Special Forces. We have designed and constructed a wide range of CQB facilities, incorporating land, aviation, and maritime-based training functions tailor made to meet end users specific needs.

Specialist Facilities

CRDS has the capability to design, fabricate, deliver, and install bespoke training facilities together with technologically advanced training equipment. We have designed and constructed a wide range of specialist facilities, including Urban Operations ranges with house and building façades, CQB houses, explosive and mechanical Method of Entry buildings, driver training areas, sniper towers, parachute trainers, and complete Counter Terrorist training camps.

Mock-Ups

Our aircraft mock-ups feature realistic passenger and cargo doors to give assault teams a training environment where they can practice door-opening techniques and entry drills. Anti-ricochet seats and bullet protection systems provide a safe environment for trainees to shoot, with full ballistic containment of all rounds. We can also design and fabricate full-size train and vehicle mock-ups, ship side mock-ups, and other maritime training facilities.

QuickRange®

QuickRange® is a complete, full service, prefabricated, live-fire modular shooting range that can be delivered to your location ready to use. QuickRange® eliminates the time needed to design and construct a traditional shooting range. It is the ideal solution for military, law enforcement, and security agencies that do not have their own purpose-built facilities for live-fire training.

Self-Contained Range

Each QuickRange® is a self-contained two-lane shooting range in a bulletproof container, complete with shooting stalls, bullet traps, lighting, and HVAC system. QuickRange® is available in lengths from 12 to 50 metres. Modules can be linked together to provide a complete range with multiple lanes.

Targetry

QuickRange® can be supplied with a two-lane fixed or retrievable target system. The motor for the retrievable system is controlled from the shooting stall, allowing each shooter to set the target distance independently. The entire system is designed and fabricated to ensure durable and continuous operation.

Environmental Design

QuickRange® is handcrafted to the highest specifications and delivered fully assembled. Every QuickRange® meets OSHA, NIOSH and EPA regulations for safety, noise reduction and air quality, through the use of anechoic foam, HVAC systems fitted with HEPA filters, and completely self-contained bullet trap systems.

Combine it with Simulation

For the ultimate, realistic firearms training experience, combine QuickRange® with the PRISim Suite® live-fire judgement training simulator. PRISim Suite gives trainees feedback to learn and confirm correct behaviors and to grow more confident in their ability to make decisions under extreme pressure.

Simulation systems

PRISim Suite® is a complete range of live-fire and laser-based firearms training simulators designed to meet the training needs of law enforcement, military, and security professionals. PRISim Suite® is available in many different configurations, ranging from highly portable laptop training systems and classroom-based desktop trainers to sophisticated multi-screen and multi-room training simulators.

As Real As It Gets®

The PRISim Suite® marksmanship and judgemental training simulators use high-definition video and computer generated images to create realistic training theatres for all aspects of firearms handling. Simulators are available for live firing, or for laser fire using modified or facsimile weapons fitted with CRDS laser inserts.

Judgement Trainer

The PRISim Suite® judgemental trainers provide interactive branching video scenarios that require trainees to make decisions during potentially life-threatening situations. The simulator can capture video of the trainee and the instructor can play back the recording, giving the trainee immediate feedback on their performance.

Marksmanship Trainer

The advanced features of PRISim Suite® make it a viable tool for marksmanship training. With accurate external ballistic modelling, simulated wind, and the ability to combine high-definition video with animated computer graphics, PRISim Suite® can generate highly realistic scenarios for the most demanding training applications.

Less Than Lethal Support

PRISim Suite® laser-based training simulators support a range of less than lethal devices. TASER® and PepperBall® non-lethal weapons and chemical agent (OC spray) canisters can be used on the training system, enabling trainees to make decisions about the level of their response to the on-screen threat.

