# VirTra

## LAW ENFORCEMENT SIMULATION TRAINING
### SAVING LIVES | BUILDING TRUST

# VIRTRA MISSION

## SAVING LIVES AND BUILDING TRUST

VirTra's mission is to save law enforcement, military and citizen lives by developing, manufacturing and supporting the most powerful training simulators, scenarios and accessories worldwide. We believe that the more prepared and knowledgeable an officer is, the better decisions they will make in the field and in their communities. This is accomplished by our team of professionals, with one-third of employees as veterans or retired Law Enforcement who best understand the field, its unique challenges and the necessary training materials needed for the next generation of public defenders. Departments can utilize this expertise by implementing and expanding advanced training policies and programs. Take your officers' skills to the next level—and increase trust within your community—with new curriculum, science-based adult learning and immersive scenarios based on real situations.

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# TRAINING THAT BUILDS TRUST

## A HIGHER STANDARD IN LAW ENFORCEMENT TRAINING

VirTra was founded in 1993 and has been developing and producing proprietary simulation training ever since. Our goal is to help officers return home safely, while in turn, keeping their communities safer. This is why we create our realistic, immersive judgmental use of force training solutions—based on scientific research—as they keep officers safe, prepared and armed with excellent skills.

These skills include knowing how to interact with and address every member of the community—ranging from Autistic individuals to those suffering from depression—improving relations between the community and officers. VirTra's nationally-certified curriculum focuses on these areas, in addition to mental illness, de-escalation and more to produce the most well-rounded officers.

VirTra accomplishes all of this by providing state-of-the-art software, hardware, scenarios, curriculum and accessories created by industry professionals and subject matter experts. In fact, one-third of VirTra's staff are veterans and retired Law Enforcement who best understand the field, its unique challenges and how to create necessary training materials to bridge any gaps.
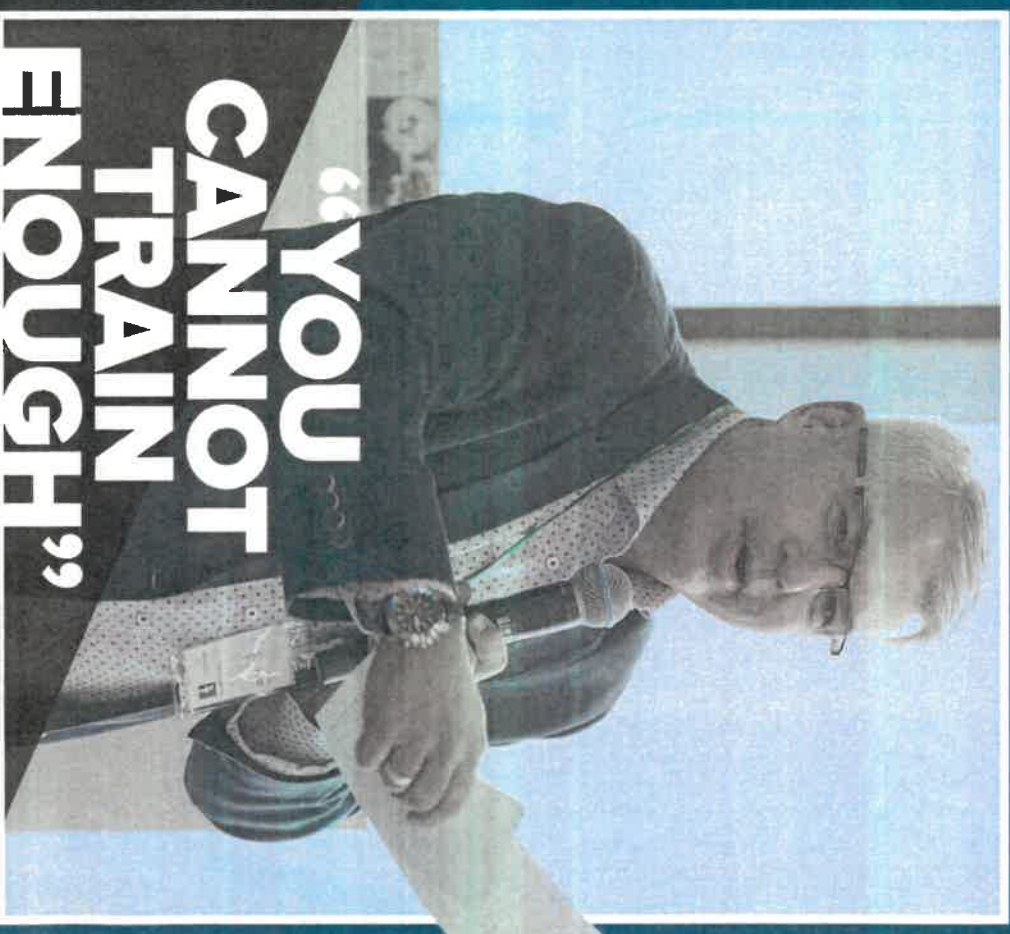
## "ENHANCES OFFICERS' TRAINING"

The recent conversations regarding police encounters with citizens across our country has raised questions about community policing, officer training, officer safety, and how officers interact with different people. The VirTra V-300 4K simulator provides the needed tools to enhance our officers' training as we continue to keep our city safe. I look forward to seeing the benefits and progress we make by using the VirTra simulator.

**Chief Orlando Rolón**
Orlando Police Department

## "YOU CANNOT TRAIN ENOUGH"

"I understand that you cannot train enough for real-life situations."
"Once I got into the police department as mayor, learning what they do, I understood that you really can't train enough for the real-life situations that those officers get into."

**Dean O'Conner,**
Mayor Altoona, IA

# "OFFICERS ARE FORCED TO MAKE A DECISION BETWEEN HEARTBEATS"

"Officers are forced to make a decision between heartbeats. 'Is this a scenario that requires me to use deadly force or not?' This system helps prepare them for that by repetition. By repeatedly going through those kinds of experiences their skills develop and are honed, and they are more able to perform very well."
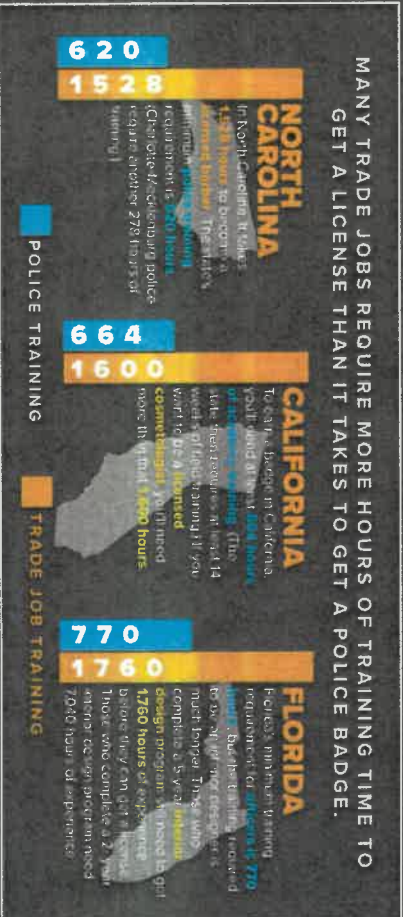
**William Fowlke,**
**Trainer Utah Attorney General's Office**

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# 87% OF RESPONDENTS SUPPORT ADDITIONAL TRAINING FOR POLICE ON DE-ESCALATION TACTICS[1]

VIRTRA'S V-VICTA™—VIRTUAL INTERACTIVE COURSEWORK TRAINING ACADEMY—DELIVERS A PROGRAM FOR LAW ENFORCEMENT TRAINING

### MANY TRADE JOBS REQUIRE MORE HOURS OF TRAINING TIME TO GET A LICENSE THAN IT TAKES TO GET A POLICE BADGE.

**NORTH CAROLINA**
620
1528

In North Carolina it takes 1,528 hours to become a minimum police training requirement is 620 hours. [Charlotte-Mecklenburg police require another 278 hours of training.]

**CALIFORNIA**
664
1600

To be a police officer in California, you'll need at least 664 hours. If you want to be a licensed cosmetologist, you'll need more than that: 1,600 hours.

**FLORIDA**
770
1760

Florida's minimum training requirement for officers is 770 hours. But the training required to be an auto mechanic is much longer. Those who complete a 3-year design program will need to get between 1,760 hours of experience. Those who can get a technical design program will need 1,760 hours of experience.

■ POLICE TRAINING
■ TRADE JOB TRAINING

### EFFECTS OF TRAINING UNDER STRESS

"The current study confirms earlier research, in the sense that training with anxiety improves performance under stressful circumstances (Oudejans 2008; Oudejans and Pijpers 2009, 2010). In addition, we provided indications that these positive effects of training with anxiety may be robust over a relatively long period of time (i.e., 4 months). As such, training with anxiety may prove a fruitful and realistic endeavor for professional police practice and education."

-Arne Nieuwenhuys & Raôul R. D. Oudejans (2011, March 24). Training with anxiety: short- and long-term effects on police officers' shooting behavior under pressure. PMID: 21431863 PMCID: PMC3142543 DOI: 10.1007/s10339-011-0396-x

### TECHNOLOGY-BASED TRAINING

"Growing popularity in technology-based training and the nationwide availability of virtual simulation reflects the 74 opportunities to develop the law enforcement neophyte skill-oriented learning beyond that which has been available through traditional, non-interactive forms of training."

"Simulations provide real-world experience, at a fraction of the cost, in a risk-free environment that provides the challenges, developmental processes, and training required of law enforcement personnel."

-Wright, Richard A. (2013). Effects of Virtual Reality on the Cognitive Memory and Handgun Accuracy Development of Law Enforcement Neophytes. Graduate Theses and Dissertations.

### VALUE OF IMMERSION

"Overall, participants reported statistically significant lower anxiety during the laboratory session compared to the simulation session, both for the low-stress simulation condition and the high-stress simulation condition. This stable difference in self-report anxiety between sessions likely reflects the value of the immersive and more realistic experience provided in the simulation session to induce emotional processes of interest."

-Roy, H., Wasylyshyn N, Spangler DP, Gamble KR, Patton D, Brooks JR, Garcia JO and Vettel JM. (2019). Linking Emotional Reactivity Between Laboratory Tasks and Immersive Environments Using Behavior and Physiology: FRONT. HUM. NEUROSCI. 13:54. DOI: 10.3389/FNHUM.2019.00054

[1] SOURCE Public Agenda USA TODAY (p-xx poll conducted between June 15-22 of 1,115. Credibility interval 3.3 percentage points.

**THE RIGHT KIND OF TRAINING.** One of the most important aspects of law enforcement simulation training is the quality of the content. V-VICTA™—Virtual Interactive Coursework Training Academy—delivers a program for law enforcement training courses. The curriculum is developed exclusively with nationally recognized partnerships and is designed to teach, train, test and sustain both inside and out of the police training simulation. This all-in-one training solution provides the Trainer all the necessary tools to instill proper training and knowledge transfer to its students.

## DE-ESCALATION

Alternate endings are the power behind VirTra's de-escalation scenarios with dozens of realistic branching options. Officers learn how to interpret a situation, keep their head on a swivel, talk with subjects and de-escalate a situation in a safe, controlled environment.

## HUMAN FACTORS IN FORCE ENCOUNTERS

Law enforcement officers learn to identify reaction and response time and how attention and memory affects one's ability to recall details.

## ACTIVE THREAT / ACTIVE KILLER

Objectives include: actively identifying the difference between an active threat and bystanders, identifying when and where to move upon indication of an active threat and more.

## AUTISM AWARENESS

This curriculum teaches officers how to distinguish Autistic behavior from other behaviors, such as alcohol use or deception.

## HIGH-RISK VEHICLE STOP

Officers go through various training points and assailants as they follow one of hundreds of paths towards resolution.

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# V-VICTA

VIRTUAL INTERACTIVE COURSEWORK
TRAINING ACADEMY

## NATIONALLY RECOGNIZED, CERTIFIED CURRICULUM

V-VICTA™—Virtual Interactive Coursework Training Academy—delivers a program for law enforcement training courses. The curriculum is developed exclusively with nationally recognized partnerships and is designed to teach, train, test and sustain both inside and out of the police training simulation. This all-in-one training solution provides the Trainer all the necessary tools to instill proper training and knowledge transfer to its students.

Each set of curriculum includes scenarios, relevant case law and recent after-action reports to provide every possible training point instructors need to incorporate into their training sessions. VirTra integrates leading science discoveries about simulation and adult learning into each material to maximize the effects of training time and skill transfer.

The IADLEST National Certification Program™ for POST Certification sets the national training standards for curriculum certification across 36 states. Each course is critically reviewed by members of IADLEST and has passed the rigors of their independent review process, saving instructors time and money from creating their own coursework.

Active Threat / Active Killer
Autism Awareness
Contact And Cover Concepts
High-Risk Vehicle Stop
Human Factors In Force Encounters
Injured Officer Handgun Manipulation
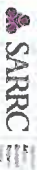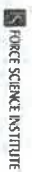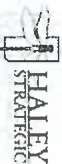
Mental Illness: A Practical Approach
TASER Targeting
Tourniquet Application Under Threat
Tourniquet Application Under Threat II
Weapon Transitions

IADLEST Certified

## NATIONALLY RECOGNIZED PARTNERSHIPS

VirTra has partnered with nationally-recognized experts in their respective industries to create new curriculum programs and scenarios. Through the help and insight of our partners, VirTra is able to develop the mos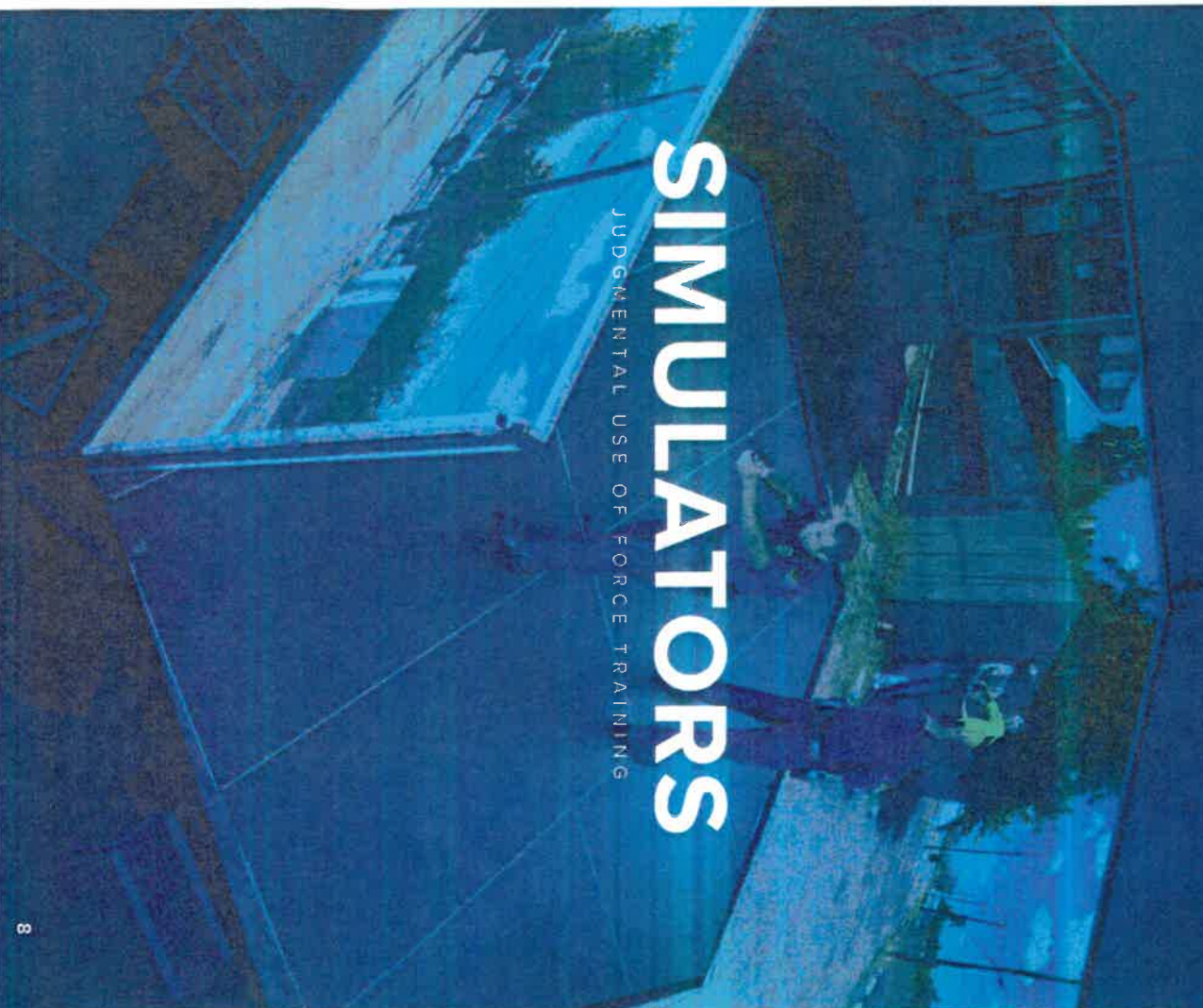t up-to-date curriculum and tactics for officers everywhere. Partners include: Haley Strategic, National Sheriffs Association, Force Science Institute, VISTELAR and SARRC-Southwest Autism Research & Resource Center.

HALEY STRATEGIC · FORCE SCIENCE INSTITUTE · SARRC · VISTELAR

VIRTRA SIMULATORS HAVE BEEN DEPLOYED IN 33 COUNTRIES WORLDWIDE.

# SIMULATORS

JUDGMENTAL USE OF FORCE TRAINING

## V-300 | 5 SCREEN

VirTra's V-300® is the world's first 300-degree law enforcement training simulator. Today, it continues to advance and remains the highest standard of LE training. This intense, immersive training environment takes into account every detail from the smallest pre-attack indicators to the most cognitive overload stimuli situations imaginable.

## V-180 | 3 SCREEN

The V-180® provides agencies with a superior, realistic 180-degree Immersive simulation training environment. While the three large screens and seamless high-resolution video demand attention, the real training value stems from the meticulous quality put into each scenario and nationally-certified curriculum that supplements training both inside and outside the simulator.

## V-100 | 1 SCREEN

The V-100® provides agencies with a highly realistic, portable police training solution. The single screen and powerful technology allows instructors to travel with and train officers anywhere. As with all VirTra simulators, the V-100 is complete with a variety of situations and scenarios, ranging from weapon manipulation drills to use of force encounters.

## V-ST PRO

VirTra's V-ST PRO® is an extended one screen simulator designed primarily for the V-Marksmanship® program. This allows for training on a variety of targets and courses that are difficult to duplicate elsewhere, utilizing an officer's duty weapon, through VirTra's recoil kits. Due to the simulator's size, instructors can create up to 6 lanes per screen saving money and environmental cleanup from ammo.

# TRUE-TO-LIFE TOOLS

JUDGMENTAL USE OF FORCE TRAINING

VirTra's accessories allow officers to go through real-life judgmental use of force scenarios equipped with an entire toolbelt for the most realistic training possible.

All accessory options can interact with the simulator. Depending on the less lethal or lethal option, characters on screen will react accordingly, further increasing the realism in training.

## MAGAZINES

VirTra's unique magazines are designed for easy conversion with no firearm modification required. There are three magazine options—Standard Magazine (SM), Fundamental Skills Magazine (FSM) and Advanced Skills Magazine (ASM)—each with advanced abilities.

## RECOIL KITS

Each simulated firearm recoil kit is designed to convert a live firearm into a simulation-ready weapon without permanent modification. Drop-in laser recoil kit are easily installed, produces powerful recoil action, operates at the correct cyclical rate and provides a full range of movement for an immersive training experience.

## THREAT-FIRE

The Threat-Fire® brings consequences to training by delivering an electric impulse that simulates return fire, dog bites, explosions and more. It uses an electric impulse to safely induce stress and immediate negative consequences. This instructor-initiated device can be controlled from a computer screen, requires no clean-up and has minimal risk of injury.

## LESS THAN LETHAL

Officers can train using their entire duty belt with the addition of less than lethal training tools. Trainees or seasoned officers are equipped with and can deploy TASER and OC spray in the simulation, and the on-screen characters react accordingly, thus rounding out any use of force training program.

## LOWLIGHT

VirTra's flashlights are equipped with proprietary V-Lux™ patent-pending technology—an intelligent sensor and microprocessor-based system—which provides a smooth screen-to-screen transition with multiple flashlights simultaneously with a localized ground light spread for low-light training immersion.

# SIMULATOR COMPARISON

## WHICH IS RIGHT FOR YOU?

Each VirTra simulator purchased for law enforcement is equipped with V-VICTA–Virtual Interactive Coursework Training Academy–which teaches, trains, tests and sustains an officer's knowledge as an all-in-one solution. The certified curriculum is paired with interactive virtual coursework for maximum training both inside and out of the simulator. The V-VICTA curriculum meets the standards set by the IADLEST International Association of Directors of Law Enforcement Standards and Training – Nation Certification Program for POST Certification across 35 states.

The chart below compares each simulator's basic features, making it easy to determine the perfect simulator for your agency's needs.

## AT A GLANCE COMPARISON

| | V-300 | V-180 | V-ST Pro | V-100 | V-DTS |
|---|---|---|---|---|---|
| Number of Screens | 5 | 3 | 1-5 | 1 | 3 (4 opt.) |
| Complete Scenario Library | • | • | • | • | • |
| V-VICTA Coursework | • | • | • | • | • |
| Structured Debriefing | • | • | • | • | • |
| Languages and Localization | • | • | • | • | • |
| 4K Option Available | • | • | • | • | • |
| Presentation Manager | • | • | • | • | • |
| Directional Sound & Effects | • | • | • | • | • |
| Marksmanship Courses | • | • | • | • | • |
| # of Weapon Laser IDs | 16 | 16 | 16 | 16 | |
| Portable | | | • | • | • |
| STEP Program Eligible | • | • | • | • | • |

## ADD-ON ITEMS

| | V-300 | V-180 | V-ST Pro | V-100 | V-DTS |
|---|---|---|---|---|---|
| Video and Audio TMaR Debrief | • | • | • | • | |
| Small Arms Recoil Kits | • | • | • | • | • |
| Less Lethal (OC, TASER®, Impact Munitions) | • | • | • | • | (included) |
| Non-Guns | • | • | • | • | (included) |
| Lowlight Training | • | • | • | • | |
| Threat-Fire Device | • | • | • | • | |
| Fast-Fill Refill Station | • | • | • | • | |
| V-Author Editing Software | • | • | • | • | |
| V-Author PRO Authoring Suite | • | • | • | • | |
| Borderless Screens | • | • | • | • | |

# THE BEST TRAINING

## BETTER DECISION-MAKING
### BY LAW ENFORCEMENT

↓

## PREFERABLE OUTCOMES
### FOR COMMUNITIES AND OFFICER SAFETY

↓

## IMPROVED COMMUNITY TRUST