

The background consists of a grid of hexagons. The top half of the grid is dark blue with thin, lighter blue lines. The bottom half is a solid, slightly lighter shade of dark blue.

# MIXR<sup>®</sup>

## TACTICS

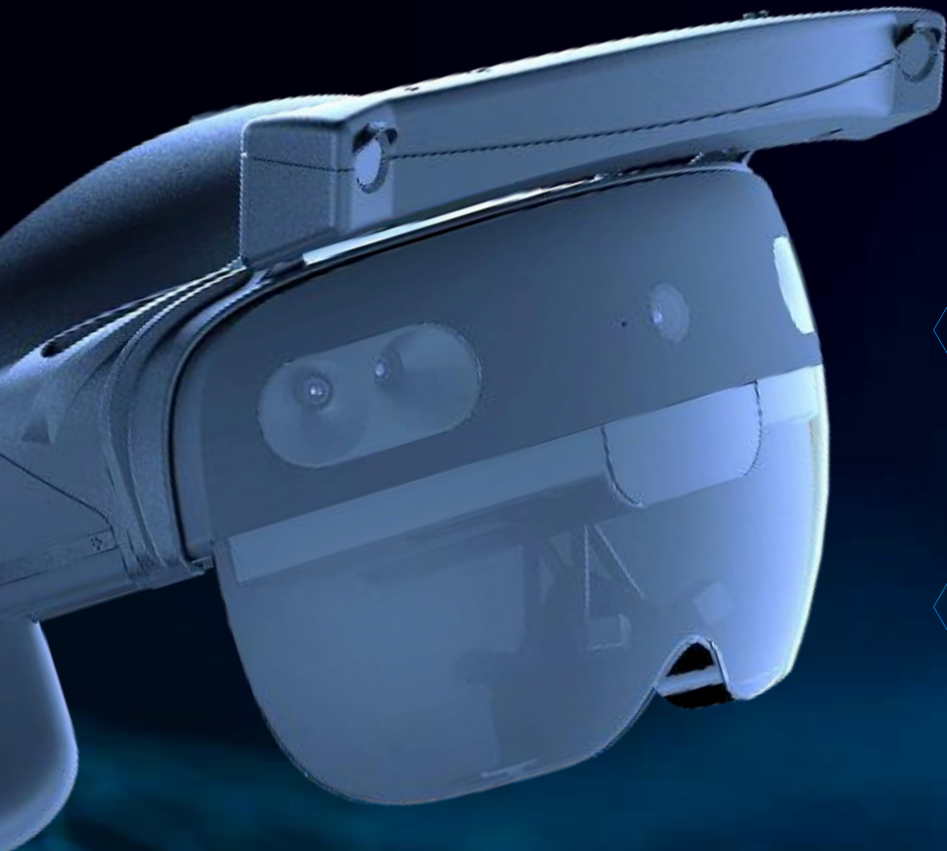
THE REVOLUTION IN  
TACTICAL TRAINING



## Our position

MXR tactics stands at the forefront of the European market, pioneering the development of hyper-realistic tactical training applications powered by advanced Augmented Reality and Artificial Intelligence technologies.

# MXR tactics platform



**We enable tactical training for law enforcement, military, corrections, and security personnel in virtually any environment.**

Train like never before in any location, leveraging cutting-edge technology and sophisticated simulation capabilities.

The MXR platform delivers hyper-realistic, highly flexible tactical scenarios featuring life-like avatars as aggressors or bystanders.

Real-world environments with customized dynamic training simulations of de-escalation or force-on-force encounters.



# Platform components

MXR<sup>®</sup>  
PLATFORM

MXR<sup>®</sup>  
TACTICS  
PLATFORM

**MXR gun attachment:** featuring a sleek, innovative design and built for use w/both **real firearms** and **training guns**.

**MXR scenario editor:** Trainers can efficiently customize and store individual tactical training scenarios. **AI-driven avatars:** Can be adapted based on roles and scenario objectives. Exhibit intelligent behavior, interacting dynamically with trainee based on situational dialogs. **Room scan:** Scan any physical environment up to 350 sqm and train in the real physical location.

**MXR replica gun:** Excellent choice if you do not have any training guns yet. Customize to match your individual gun model, color coding options for safety.



**MXR head mounted unit (HMU):** patented attachment for HoloLens 2, featuring specialized IR camera system w/robotic methodology and in-house developed AI.



**AR goggles HoloLens 2:** binocular, best spatial display on market, with ability to simultaneously recognize multiple objects and surfaces. Optimized for training simulations in hazardous situations.



**MXR taser:** X2 replica featuring advanced IR LED and sensor systems for real-time latency-free operation.



**MXR pepper spray:** Replica equipped w/advanced IR LED and sensor systems for real-time, latency-free operation.



**Compact carry-on case:** Easy to transport, easy to set up.

# Overcome today's hurdles in tactical training

Organizing and executing training sessions is usually centralized, difficult to scale, cost-intensive, and hindered by significant bottlenecks in infrastructure availability, capabilities, and resources. Training frequency needs to be increased, and the speed of delivery to each office must be significantly accelerated.

**Infrastructure** requires huge **logistical effort** and causes high **costs**. It does **not** enable training in **real operational environments**.

Training is **not integrated** in the working routine and **not done frequently enough**.

**Emerging risks** (e.g. knife attacks) are **not integrated** into training **fast enough**, and **not everyone** can be trained.

**Group training** causes **unproductive down-time** for other trainees. There is **no self-learning component**.

Trainers **lack adequate training resources**; **scenarios** are **difficult to vary** and **impossible to quickly individualize**.

There is **no digital platform** for documentation, trainer **know-how** is **lost** when a trainer leaves.

**Performance analysis** is extremely **time-consuming** for trainers and **not digital**. Progress of trainees cannot be measured.

**Sharing training scenarios** across all offices is **not possible**. They **cannot be benchmarked or evaluated** according to defined standards.

**Cost of ammunition, additional training gear, of cleaning** as well as of additional **required safety measures** are significant hurdles to training in real-world environments.





NO  
DOWNTIME IN  
GROUP  
TRAINING

NO  
RESTRICTION N  
MOVEMENTS

TRAIN MORE  
OFTEN &  
REDUCE COST

**MXR**<sup>®</sup>  
PLATFORM

MORE BENEFITS

NO  
DEDICATED  
VR SPACE  
NEEDED

NO  
PROTECTION  
GEAR, NO  
AMMUNITION

EASE OF USE  
& SPEEDY  
IMPLEMEN-  
TATION

# Want to learn more?

[Contact us](#)

# AR/XR vs. VR: the smarter choice

Augmented or Mixed Reality transforms how you train by blending virtual elements into real-world locations, offering a more realistic experience than traditional VR. Whether it's training in critical infrastructures, schools or airports, AR/XR allows trainees to move freely and interact with avatars in authentic scenarios. Mobile, easy to set up, and adaptable for group scenarios, the MXR platform makes advanced training accessible anywhere - without the need for costly gear or permanent setups. Get started faster and train smarter wherever you are.

- 1 **Realistic experience**  
AR/XR blends virtual elements with real-world locations, enabling trainees to interact with avatars like attackers and bystanders in highly realistic settings.
- 2 **Budget-friendly**  
Use standard equipment (firearms, tasers, pepper spray) for training, eliminating the need for expensive custom gear.
- 3 **Authentic**  
Trainees practice in real-world environments, improving decision-making and situational awareness for practical applications.
- 4 **Increased engagement**  
Unlike VR, AR/XR keeps trainees connected to the real world while interacting with virtual elements, enhancing engagement.
- 5 **Seamless gear integration**  
Trainees use their own gear (weapons, tasers, etc.), avoiding the complexity and cost of specialized VR equipment.
- 6 **Simplified implementation at scale**  
AR/XR can be deployed across multiple locations quickly, enabling on-site training without needing remote facilities.
- 7 **Ease of use**  
Set up is quick - unpack the AR/XR goggles, attach your weapon, and connect the device. Scenarios can be easily modified with a tablet or smartphone.
- 8 **Mobile and portable**  
The lightweight MXR AR platform fits into a compact carry-on case, enabling training anywhere - at stations, prisons, or offices.
- 9 **No dedicated VR space needed**  
AR/XR works in any location, removing the need for large setups or specialized infrastructure required by VR.
- 10 **Adaptable for group scenarios**  
AR/XR supports real-time interaction for multiple trainees, making it ideal for team-based exercises requiring coordination.
- 11 **Fast set up and scenario adaption**  
Unlike VR, AR/XR allows quick, on-the-fly adjustments to training scenarios using easy-to-use software tools.
- 12 **Quick roll-out for emerging threats**  
New threats like increased knife attacks can be trained at individual stations, allowing rapid training roll-out virtually overnight, with remote trainer support.

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