

# Leopoly DefTech XR

## Advanced Extended Reality Training Solutions

Leopoly DefTech XR combines our innovative DEFTECH Framework, LeoXR SDK, and LeoXR 360 Safety Framework to provide state-of-the-art AR and VR training solutions. These platforms are integrated to develop customized training modules for a spectrum of military operations, from basic equipment handling to advanced tactical maneuvers.

### Benefits:

- **Realistic Simulations:** Hyper-realistic, 3D environments for immersive training that replicates real-world conditions without the risks.
- **Cost-Effective Training:** Reduces the need for physical resources and logistical preparations, significantly lowering training costs.
- **Scalable and Flexible:** Easily adaptable to different scopes and sizes of military units, with capabilities for both small teams and large-scale operations.
- **Military-Grade Development and Support:** Designed to meet stringent military standards, ensuring robustness and reliability with dedicated technical support and development for seamless operational integration.



# Leopoly 3D Assembly Demo

## 3D Visualization for Complex Assembly Training

### Benefits:

- Detailed Visualization: Provides high-resolution, autostereoscopic 3D visuals of complex structures, allowing for in-depth understanding of assembly and disassembly processes.
- Interactive Learning: Interactive elements enable users to manipulate components in a virtual environment, enhancing hands-on learning.
- Cross-Platform Capability: The application supports multiple platforms and devices, ensuring accessibility and adaptability: VR/AR, 2D and Stereo 3D laptops, Stereo 3D Tablet.
- Error Reduction: Helps reduce errors by allowing trainees to practice assembly in a risk-free setting, ensuring proficiency before handling real equipment.
- Scalable Training Modules: Easily scalable to different equipment types and complexity levels, from small arms to large military systems.
- Military-Grade Development and Support: Developed to meet strict military specifications, ensuring reliability and accuracy with comprehensive support for integration.



SIMULATION / TRAINING

# Leopoly VR Immersion

## VR Training for Modern Combat Scenarios

### Benefits:

- Immersive Learning: Engage in fully immersive virtual environments that mimic the intensity and unpredictability of street-level combat.
- Enhanced Situational Awareness: Trains soldiers in maintaining awareness in dynamic and potentially chaotic environments to make informed decisions under pressure.
- Adaptable Scenarios: Flexible scenarios that can be adjusted to reflect current threats and tactics, ensuring training remains relevant to modern warfare.
- Military-Grade Development and Support: Built to military specifications with robust software architecture, providing ongoing updates and support for seamless integration into training programs.



# Leopoly 3D Stager

## Collaborative 3D Environment

Leopoly 3D Stager is an advanced tool for collaboratively creating and testing 3D environments, perfectly suited for military, educational, and professional use. It allows for comprehensive visualization of entire battlefields or terrains in stereo 3D, using drone and satellite imagery to facilitate simple planning and simulation of military movements.

### Benefits:

- **Real-Time Collaboration:** Facilitates enhanced decision-making with multi-user interaction, allowing teams to plan and simulate in a shared virtual space.
- **User-Friendly Interface:** Simplifies use for professionals in various fields without needing specialized training, making it accessible for military strategists and planners.
- **Wide Compatibility:** Accommodates various file formats and integrates seamlessly with existing systems, enhancing operational flexibility.
- **Interactive Learning:** Engages users and improves retention by enabling active exploration and modification of 3D models, ideal for training and educational purposes.
- **Strategic Visualization:** Enables the creation of detailed tactical plans using realistic 3D visualizations of actual terrains, providing a strategic advantage in military operations.



## LeoXR 360

### 360 Extended Reality Training Framework

LeoXR 360 is an advanced tool designed to rapidly develop 3D video-based safety and security training courses, which operate efficiently on light, standalone VR headsets without the need for high-powered PCs, lowering the entry barrier for new users.

#### Benefits:

- **Enhanced Safety Training:** Immersive, video-based scenarios that demonstrate real-world hazards to improve safety awareness.
- **Quick Course Development:** Rapid creation and deployment of safety training modules, reducing development time.
- **Interactive Learning Experiences:** Engagement of trainees with interactive elements, enhancing comprehension and retention of safety protocols.
- **Wide Applicability:** Suitable for various industries including manufacturing, construction, and healthcare.
- **Scalability:** Accommodates different organizational sizes and training needs, ensuring consistent training quality across multiple sites.

