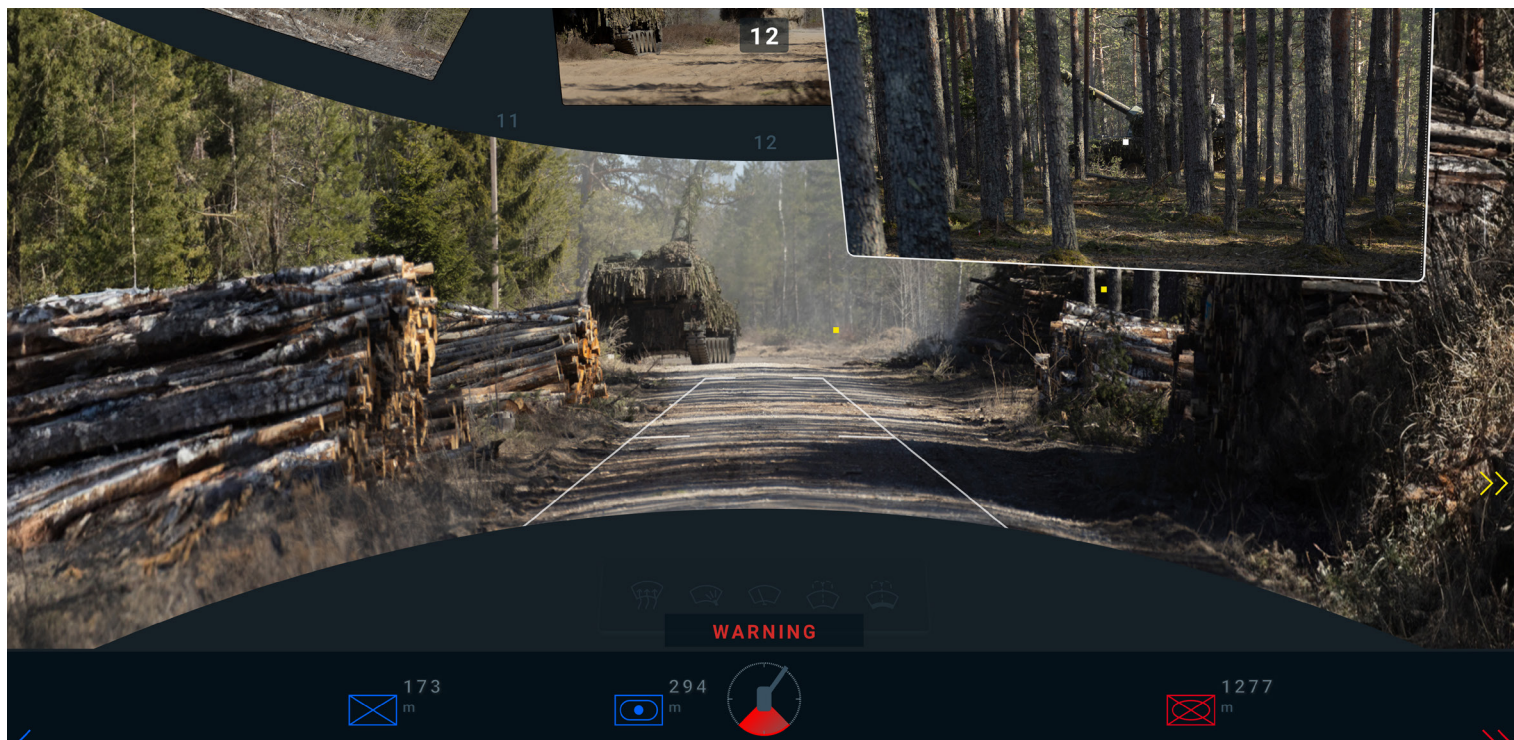# VEGVISIR CORE

Situational Awareness System for **Armored Vehicles**

VEGVISIR CORE is an advanced mixed reality based system that enhances decision-making & situational awareness. VEGVISIR seamlessly blends the real world with digital information through the use of mixed reality.
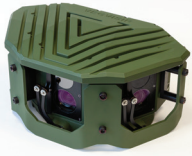

KEY FEATURES

- 360° situational awareness for enhanced understanding
- Crew function-specific UI for optimised user experience
- Third-party sensor integration and control (e.g. CMDR sight)
- Multi-user interface with collaborative functionality
- NATO Friendly Force Tracking (STANAG 5527) compliant
- AI-powered safety features and object detection
- Multiple platform connection support
- Optionally manned capability for flexible use cases
- Forward and reverse precision driving assistance
- Optional features include wipers, heating, water jet, or air cleaning functionalities
- Rugged casing design compliant with MIL-STD-810H for durability in extreme conditions

VEGVISIR CORE

Situational Awareness System for **Armored Vehicles**

DRIVER SENSOR SYSTEM	CLOSE RANGE SENSOR SYSTEM	DUAL CLOSE RANGE SENSOR SYSTEM	HEAD MOUNTED DISPLAY	MISSION COMPUTER

DRIVER SENSOR SYSTEM
Mounted to the front to provide an unobstructed 180 degrees field of view

CLOSE RANGE SENSOR SYSTEM
Mounted to the sides to monitor platform close proximity

DUAL CLOSE RANGE SENSOR SYSTEM
Mounted to the rear for observation and reverse driving

MISSION COMPUTER
A high-performance computer running custom 3D engine, providing a low-latency, multi-user experience

HEAD MOUNTED DISPLAY
The lightweight and adjustable display seamlessly integrates the low-latency live feed with mixed reality. Available for multiple users in combination with displays

SYSTEM MAIN COMPONENTS

- Driver Sensor System
- Close Range Sensor System
- Dual Close Range Sensor System
- Multiple Head Mounted Displays
- Mission Computer
- Custom 3D Engine

TARGET PLATFORMS

- Infantry fighting vehicles
- Armored personnel carriers
- Combat support platforms
- Engineering vehicles
- Main battle tanks

VEGVISIR CORE provides the lowest latency onboard the platform. **VEGVISIR CORE** can be used by the driver, commander, gunner or dismounts who operate platforms with obstructed field of view. Each position in the platform has a dedicated functional UI/UX design to customize the experience.

The Vegvisir products are designed as a full integration or stand-alone solution. The products are modular allowing simple upgrades and improvements.

VEGVISIR