VEGVISIR REMOTE

Situational Awareness System for **Unmanned & Optionally Manned Platforms**

VEGVISIR REMOTE 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.
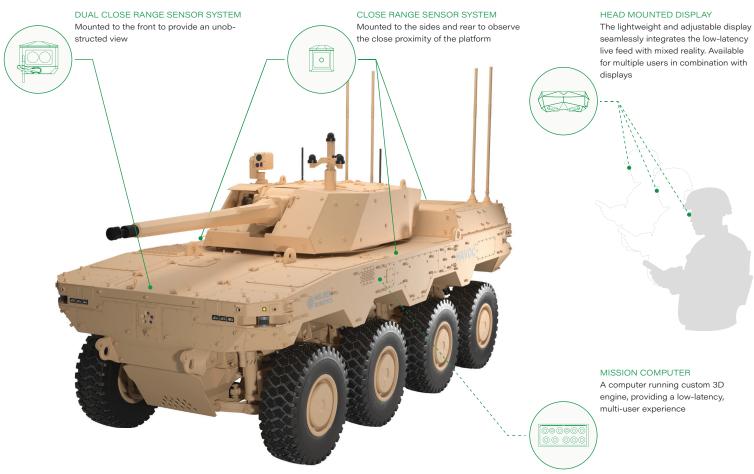

KEY FEATURES

- 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
- User-adjustable bitrate settings (CBR, VBR, bitrate limit)
- Support for various video codecs (H.264, H.265, custom)
- Data Distribution Service (DDS) capability
- Transceiver-agnostic connection between operator and platform
- Optional: wipers, heating, water jets, air cleaning
- MIL-STD-810H rugged casing for extreme conditions

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USER INTERFACE	CLOSE RANGE SENSOR SYSTEM	DUAL CLOSE RANGE SENSOR SYSTEM	HEAD MOUNTED DISPLAY	MISSION COMPUTER

DUAL CLOSE RANGE SENSOR SYSTEM
Mounted to the front to provide an unobstructed view

CLOSE RANGE SENSOR SYSTEM
Mounted to the sides and rear to observe the close proximity of the platform

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

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

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

TARGET PLATFORMS
- Unmanned platforms
- Optionally manned platforms that need remote operating

VEGVISIR REMOTE is designed for unmanned and optionally manned platforms. The system enables users to observe, orient, decide, and act faster than with current solutions. **VEGVISIR REMOTE** system ensures efficient operation even in low-bandwidth situations, making it perfect for remotely operated vehicles.

The Vegvisir solution supports both manned and unmanned scenarios, ensuring a low learning curve for operators transitioning between the two. The experience through the HMD (Head-Mounted Display) remains consistent.

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