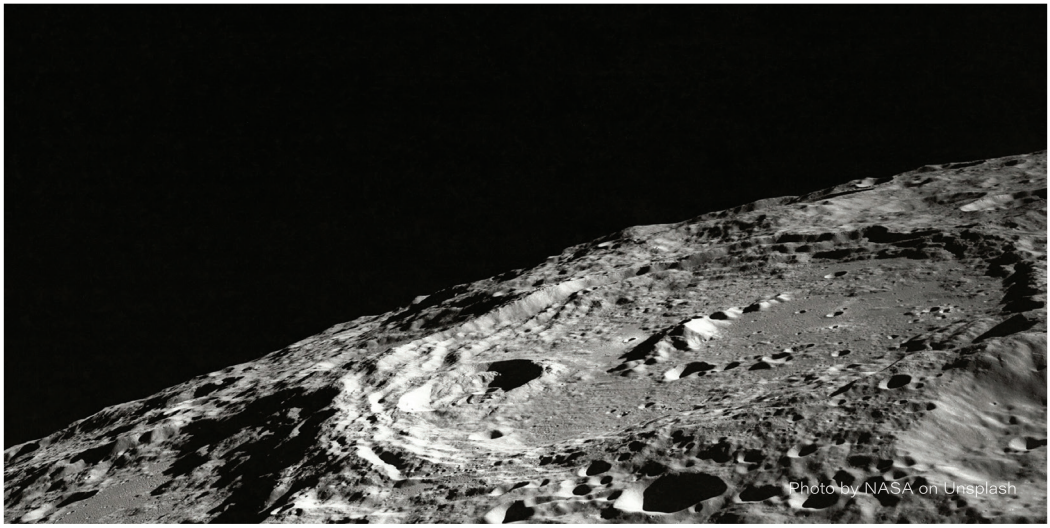
VEGVISIR

VEGVISIR SPACE

Situational Awareness System for **Spacecraft and Rovers**



VEGVISIR SPACE is engineered to enhance remote operations, exploration, and vehicle management for space environments, whether in orbit or on extraterrestrial terrains. Designed to provide unparalleled situational awareness, Vegvisir Space supports fleet management of robotic, remotely controlled space vehicles, rovers, and crewed modules, ensuring seamless navigation and mission-critical decision-making.

VEGVISIR SPACE

- Tailored for Unmanned and Optionally Manned Space Platforms
- Main components: Multiple Head Mounted Displays, Mission Computer running custom 3D engine

VEGVISIR SPACE

Situational Awareness System for **Spacecraft and Rovers**

VEGVISIR SPACE ensures secure and efficient operation of space assets, allowing operators to observe, orient, decide, and act swiftly, even in the most challenging conditions of deep space or planetary surfaces. Its architecture supports low-bandwidth scenarios, making it an ideal solution for remote-controlled spacecraft and space habitats.

KEY FEATURES

- **360° Situational Awareness:** Provides comprehensive visibility and awareness of surroundings in space and planetary environments, critical for safe navigation and mission success.
- **Space Crew-Centric UI Design:** Interface designed specifically for crew functions and space missions, maximizing user experience and minimizing distractions in high-stress situations.
- **Integration with Space-Optimized Sensors:** Compatibility with a variety of third-party space-grade sensors and instruments, such as stereo cameras, LiDAR, and spectral imagers, to support exploration and docking operations.
- **Cooperative Multi-User Interface:** Enables simultaneous collaboration between ground control, spacecraft crew, and remote pilots, ensuring coordinated and informed actions in real-time.
- **Precision Maneuvering & Navigation Assistance:** Advanced driving and docking assist functions provide precise control for rovers, spacecraft, and surface vehicles.
- **Seamless Operator-Platform Connection:** Supports agnostic transceiver communication between ground control stations, space habitats, rovers, and orbiters, ensuring reliable data flow in challenging space conditions.
- **Enhanced Map View with Live Space Data Overlays:** Incorporates planetary maps, navigation overlays, and sensor data to enhance spatial awareness during exploration and maneuvers.

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