MaEVA –A transformative video-assisted platform for federal agencies

The secure and agile solution for anytime, anywhere operational support

MaEVA is a powerful video-assisted solution designed to support, accelerate, and help secure federal operations from anywhere and anytime. Equipped with a rich suite of collaborative digital and augmented reality (AR) tools, MaEVA enables agencies to enhance operational efficiency, responsiveness, and precision across geographically distributed teams.

With MaEVA, agencies can conduct remote inspections and quality control processes seamlessly. Experts in different locations can collaborate in real time, providing immediate input and oversight—eliminating the need for on-site travel. This not only cuts costs but ensures critical tasks are executed promptly and with greater accuracy. The platform's augmented reality (AR) features offer step-by-step visual guidance during inspections, empowering field agents to follow precise procedures and comply with agency standards.
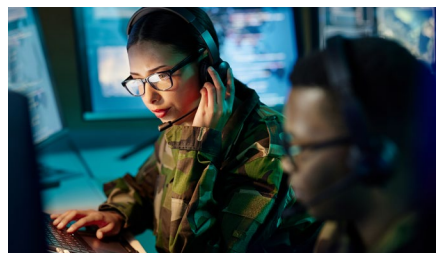
MaEVA offers a highly flexible solution to improve agency operations with ease and scalability.

- Highly secure: peer to peer architecture, content streaming and AES256 encryption with secure file sharing.

- Deployable to secure government cloud or on premise.

- Multi-device support: PCs, tablets, smartphones, augmented reality glasses.

- Offers bandwidth optimization, back-up, and traceability of operations.

- Provides HD video sharing and recording in real-time.

- Optional AI-integration and scanning devices provide real-time identification of items of interest / defects / threats not visible to the human-eye.

- "Agnostic" software and hardware interface capabilities allows for integration with a broad range of COTS/GOTS systems – enhancing interoperability, removing artificial "technology barriers", and is ideal for facilitating joint operations.
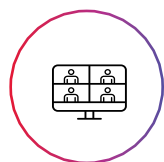
Enhancing federal operations and improving information sharing

The features of MaEVA are designed to enhance remote collaboration and expertise sharing. It includes virtual meeting rooms and video conferencing to facilitate sharing of diverse content types, such as pictorial, audio, video, and written materials. Additionally, augmented reality is used to share instructions/technical data and expertise effectively. MaEVA also supports field operations and crisis management by reducing time spent on diagnosis and intervention costs. The solution improves expert availability and responsiveness for quality control, site inspections, and operational maintenance through real-time video support and cross-platform integration. By unifying multiple ISR platforms and data/video feeds into a single interface, it accelerates incident resolution and significantly enhances ISR and C3I capabilities. Moreover, the platform helps manage operations in crisis situations by connecting and coordinating response units seamlessly. MaEVA's open architecture allows for secure, rapid, real-time integration of different COTS/GOTS systems and devices – affording unmatched "Off-The Shelf" Joint Operations Capability. This level of connectivity and information sharing helps federal agencies respond more effectively to crises, expedited communications, minimizing intervention times and improving overall outcomes.

Benefits

MaEVA increases the availability and responsiveness of your teams on a daily basis with a high level of security. The platform is accessible from any terminal and simple to use, enabling users to master it quickly and effectively. Agencies will achieve the following outcomes:

Enhanced remote collaboration and expertise sharing:

- Enhance remote collaboration with virtual meeting rooms and video conferencing.
- Facilitate sharing of diverse content types (pictorial, audio, video, written).
- Use augmented reality for sharing instructions/technical data and expertise.
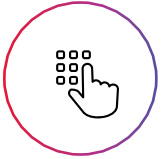
Improved field operations and crisis management:

- Reduce time spent on diagnosis and intervention costs.
- Increase availability and responsiveness of experts for quality control, site inspections, and operational maintenance, field assessments and ISR functions.
- Provide real-time video assistance to solve incidents faster.
- Manage operations in crisis situations by connecting and coordinating response units.
- Enhanced integration with drone and robotic vehicle video feeds supports command and control operations in dangerous or high-risk environments

Optimized training and skill enhancement:

- Optimize training resources for teams across different sites.

- Provide access to interactive course formats and real-time field cases.

- Facilitate post-training skill acquisition through direct responses to requests.
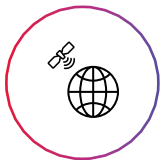
Increased security and surveillance:

- Enhance ISR and C3I functions, and security and surveillance of large sensitive areas with full cross-platform integration compatibility, and single-unified user interface for geographic data, aerial views, drones, cameras, other sensors, and connected objects.

Use case scenarios for federal agencies

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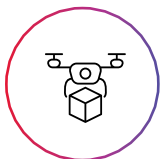
Defense and military operations:

- Real-time collaboration and communication during military operations.

- Hands-Free & augmented reality Options for C3I and ISR.

- Remote assistance for equipment maintenance and repair in the field.

- Training and simulation exercises using augmented reality.

Homeland security, public safety & law enforcement:

- Coordination and communication during emergency response and disaster management.

- Coordination between different law enforcement agencies during operations.

- Virtual crime scene analysis and evidence sharing.

- Surveillance and monitoring of critical infrastructure using integrated data from drones and cameras.

- Improved ISR and Communications – unifies multiple information sources, drone, video and sensor feeds, expedites information sharing and response capabilities.

Transportation and infrastructure:

- Monitoring and maintenance of transportation infrastructure using real-time data.

- Enhanced drone/robotic vehicle command and control capabilities for operations in dangerous/high-risk environments.

- Coordination of logistics and supply chain management for military and government operations.

About CGI

Insights you can act on

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