

ORACLE Communications

One Vehicle, Every Mission: Enterprise Communications Platform (ECP) revolutionizes public safety

Oracle Enterprise Communications Platform (ECP) provides real-time communications from the Tesla Cybertruck and emergency first responders to cloud based operations of the Oracle Public Safety Suite (OPS). Built with the performance and scalability of Oracle Cloud Infrastructure (OCI), ECP transforms the way service organizations respond to emergencies by providing contextual information, service orchestration, reliable connectivity, and management of next-generation, cloud-based communications.

Key Benefits of ECP:

- **Situational Awareness:** seamless real-time interaction and collaboration between several video streams, mobile devices, and PC/tablets ensures complete context of a situation.
- **Reliable, Fully-Connected Network:** utilizing wireless, wired, and satellite networks, ECP constantly monitors and transmits video, voice, and data for the most reliable, secure communications.
- **Device Management:** ensures devices work properly by securing them after they have been deployed, providing authenticated access and health monitoring of the devices, and the ability to remotely troubleshoot potential device problems.
- **Command and Control:** combines devices and human interaction for mission critical control, collaboration, or dispatch function.

In Oracle's proof-of-concept demonstration, ECP and OPS are integrated into a custom Tesla Cybertruck to not only meet the demands, but to exceed the expectations of what a first response vehicle can do. With an obsessive focus on efficiency and versatility, every detail of this vehicle gives first responders the information they need to respond more effectively. Equipped with a comprehensive array of on-vehicle video cameras integrated with video drone system and body-worn cameras, ECP manages and transmits all the live video streams from any remote location to OPS. Whether you're a first responder in the field or an incident commander using the Cybertruck as a remote command center, ECP keeps officers well informed, ensuring smooth, real-time operations.

ECP provides instant access to real-time video feeds from vehicle and body-worn cameras. These feeds correlate with live location data to give first responders and commanders the critical insights they need to act quickly and efficiently, even from the driver's seat of the vehicle.



Seamless Connectivity for Critical Situations

Connectivity is at the heart of modern public safety, and every second counts. ECP connects the Cybertruck through multiple networks to ensure reliability:

- **Regional 4G/5G/LTE Mobility** for ultra-secure, high-speed connectivity, ensuring seamless data streaming to OPS
- **Global satellite connectivity** to securely manage and ensure communications in remote areas.
- **Oracle Cloud Connector** ensures seamless communications from any location, leveraging wireless and satellite networks

Cloud Communications: Advanced Public Safety Technology

This Cybertruck is powered by ECP and OPS, elevating situational awareness and decision-making to unprecedented levels. Officers have an immediate and comprehensive view of all relevant video feeds and incident information available right in Tesla's OEM infotainment system. ECP integrates communication devices and video/audio streams, giving mobile teams access to live feeds from body-worn cameras and vehicle locations. These vital insights empower first responders and commanders to stay ahead of situational challenges, cover more ground, and save more lives. Direct connectivity to Oracle's Dispatch Command Center streamlines coordination, making it easier than ever to manage and organize incidents and ensure rapid response.

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