

AGILE

Drone Over Cellular



Flexible Communications Platform

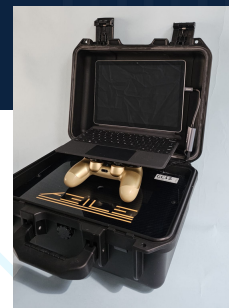
The AGILE Drone over cellular is a framework for operating remote unmanned vehicle and real-time data transmission. It leverages open-source autopilot software and integrates bonded multi-channel cellular LTE 5G. The system flows informational data and controls commands between the vehicle and the operator over an unlimited distance, surpassing traditional limits of line-of-sight control.

Applications

- Infrastructure monitoring for utilities oil & gas
- Video Surveillance and Security
- Agricultural Monitoring
- Disaster Response
- Search & Rescue

The Basics

- 2 LTE 5G channels / 2 SIM slots
- GPS tracking embedded
- Open-source autopilot
- Hardware-agnostic
- May be deployed singularly or in a peer-to-peer mesh with other AGILE CORE systems
- CORE Control 2 adds virtual SIM management, centralizing SIM cards while allocating the correct SIM cards per location of each CORE system



The CORE of the system is an open-source autopilot platform that integrates with LTE 5G for communication. This setup ensures a reliable and continuous connection between the vehicle and the control station, leveraging the widespread LTE 5G infrastructure for global coverage. The open-source nature of the autopilot software encourages continuous development and customization, making the system versatile across various applications.

Its ability to operate over unlimited distances, combined with the adaptability provided by the software, positions it as a pivotal tool in enhancing operational efficiency, safety, and responsiveness across a broad spectrum of industries.