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Micro Collision Avoidance System

Center Map



"Drone" – Multirotor and Fixed Wing Compatible





Collision Prediction & Avoidance



There is a growing risk of collision between drones and passenger aircraft, due in part to the large number of hobby drones now in operation. Our MiCAS system is a bespoke collision prediction and avoidance system for micro aircraft, such as drones, which can mitigate this risk.

By including a miniaturized 3G enabled "black box" on each drone, together with a central server and powerful collision prediction algorithms, our technology tracks the position, altitude and trajectory of every drone and compares it in real-time to positions and trajectories of manned aircraft.

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The MiCAS system provides Air Traffic Controllers (ATC) advanced warning of potential collisions, allowing aircraft to be re-routed before a collision can take place.

Miniaturized blackbox technology coupled with trajectory prediction software results in robust collision prediction risk analysis.

