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608-238-6001 [TEL]

greg@infinityturbine.com [Email]



cluster-mesh- drone-system-by- infinity-turbine

Infinity Turbine
LLC

Cluster Mesh Drone System and Heavy Lift
Aerial Deployment by Infinity Turbine



This webpage QR code

Structured Data

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Silent Drone using cluster mesh concept of multiple drones working together for heavy lift objects and deployment featuring hard points for attaching objects with remote release and using ring laser diode inertial navigation AI.

PDF Version of the webpage (first pages)

<https://infinityturbine.com/cluster-mesh-drone-system-by-infinity-turbine.html>

Cluster Mesh Drone System by Infinity Turbine

The CMDS (Cluster Mesh Drone System) by Infinity Turbine represents a breakthrough in aerial technology, featuring an innovative design with no visible moving parts. It generates lift by creating a vortex, which pulls the drone upwards, making it exceptionally quiet and efficient. This vortex-driven lift mechanism allows the Illusion drone to maintain a very low noise signature, making it ideal for covert operations or sensitive applications where minimal disturbance is critical. Additionally, the absence of conventional moving components, such as propellers, significantly reduces its radar cross-section, rendering it almost invisible to radar detection. This unique combination of stealth, efficiency, and near-silent operation sets the Illusion drone apart from traditional aerial vehicles. The goal of the drone system is to provide a matrix of drones which can connect, or disconnect in flight, for lifting heavy objects via the use of hard points.

Solid state ring laser gyros provide inertial navigation when EMF bursts are detected to complete a sortie.

Each done is independent, but connected by a 48 V magnetic ethernet loop which provides both power and intra-drone communication. Mission specific segments (tiles) with magnetic locks will feature hardpoints, battery packs, and other features depending on mission.

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Low Noise Footprint

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Decoy Drones

Decoy drones are easy to deploy and inexpensive. Like chaff and flare, these decoys can be inflated with hydrogen gas and air mix in-situ to confuse radar and signal bouncing. Deployed with unraveling carbon fiber tow, these units can defeat grid powerlines.
