FIRESTORM

EL NIÑO 10

[mPGS] MINIATURE PRECISION-GUIDED SYSTEM

» sUAS FOR ALL

- Every warfighter should have the personal munition of the future, requiring little training and AI-enabled for target acquisition.

» C-UAS / VTOL

- Vertical takeoff and landing for remote launch and base / team protection as a C-UAS asset. Vision-and-seeker-based terminal guidance for aerial intercepts.

» INTELLIGENT ENGAGEMENT

- El Niño is empowered with onboard processing and sensor arrays to engage targets with minimal operator input through a body-worn TAK device.

» HIGHLY MOBILE

- <10-lb, hand-launched variant packs in a small form factor for dismounted operations.

» PERFORMANT

- Electric ducted fan (EDF) propulsor increases performance and range beyond quadrotor ranges and dash speeds to outrun almost any target, enabling greater standoff.

- 2+ lbs of payload tradespace including kinetic addresses a variety of common targets.

» Cruise speeds above 100 mph	» Payload weight of 2 lbs	» EO / IR optics
» Ranges up to 20 mi	» MTOW of up to 10 lbs	» Edge compute

El Niño builds off of the success of quadrotor systems in engaging targets at moderate distances with supreme ease of use and transportability. El Niño breaks down into a small case that individual operators can carry. Deploying the system is simple, with options for hand-launching and VTOL.

El Niño's performance and range gives operators a standoff distance from the point of interest and allow for the intercept of aerial targets. Performant edge compute, intelligent detection / targeting modules and terminal autonomy provide users with almost entirely hands-off end-to-end operation.

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