

GENERIC QUAD, STUDIO DRAWING

11TH AIRBORNE DIVISION, FROM THE ARMY'S OWN RECORD

Weight. Cold. Mountains. The Army's Alaska drone, taken apart.

alaskaaihq.com

THE ARMY'S RECORD, PUBLISHED OCTOBER 27TH

The first kinetic drone strike in the Richardson Training Area.

Paratroopers of the 2nd Mobile Brigade Combat Team (Airborne), 11th Airborne Division, flew armed first-person view drones in live fire, alongside sniper teams, reconnaissance elements and a gun truck.

ARMY RECOGNITION SAYS NOT TO READ IT AS THE ARMY'S FIRST EXPLOSIVE FPV USE

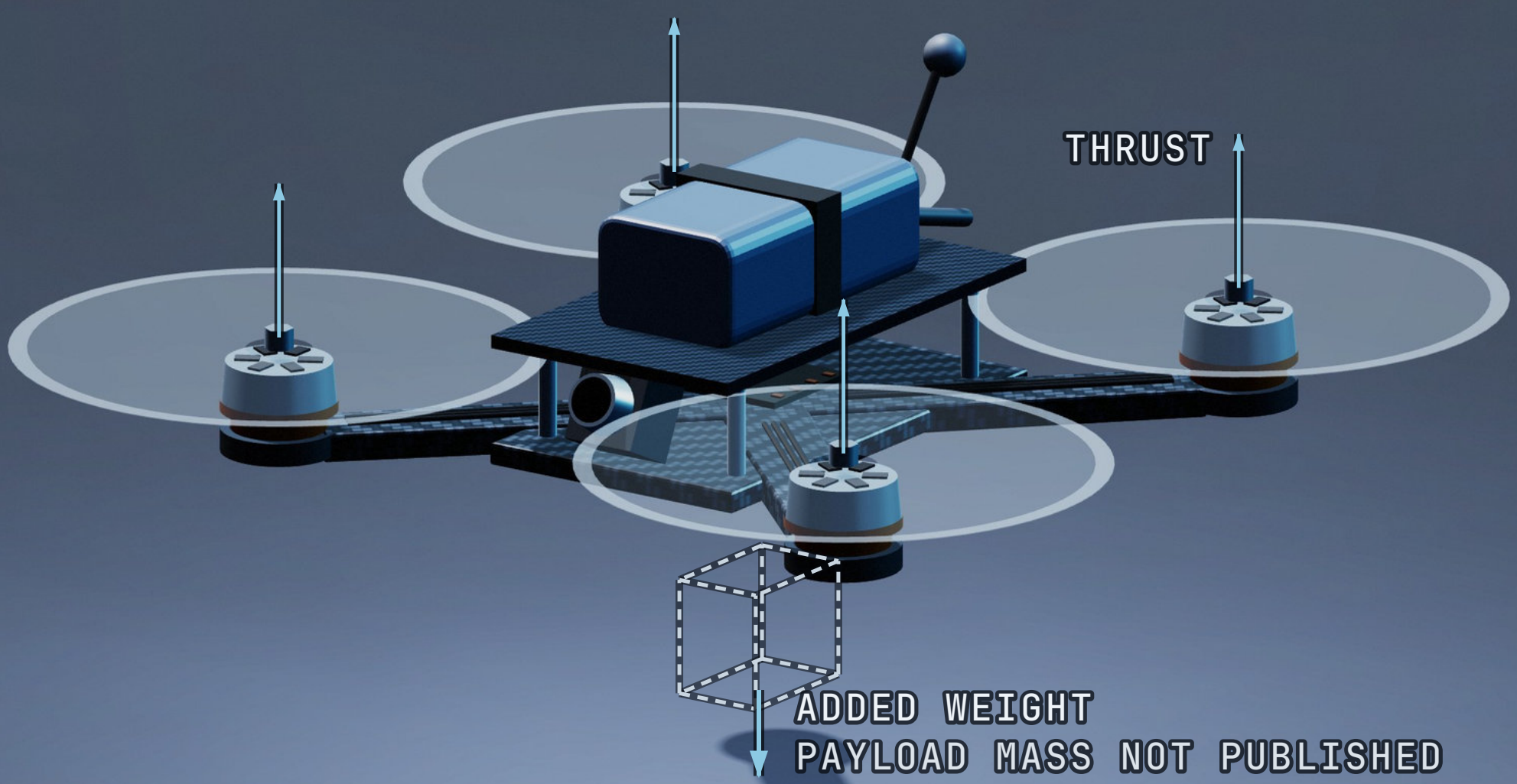


ONE GROOVE PER LIVE-FIRE DAY, TRUE CALENDAR SPACING

PROBLEM 1, WEIGHT

Before the strike, they flew the weight.

Operators first flew unarmed explosive payloads to see how the added weight changed the drone's maneuverability. Sgt. 1st Class Devin McNamara, the brigade's sUAS master trainer, helped enable the test flights.



WHAT THE RECORD LEAVES OUT

What the Army left blank.

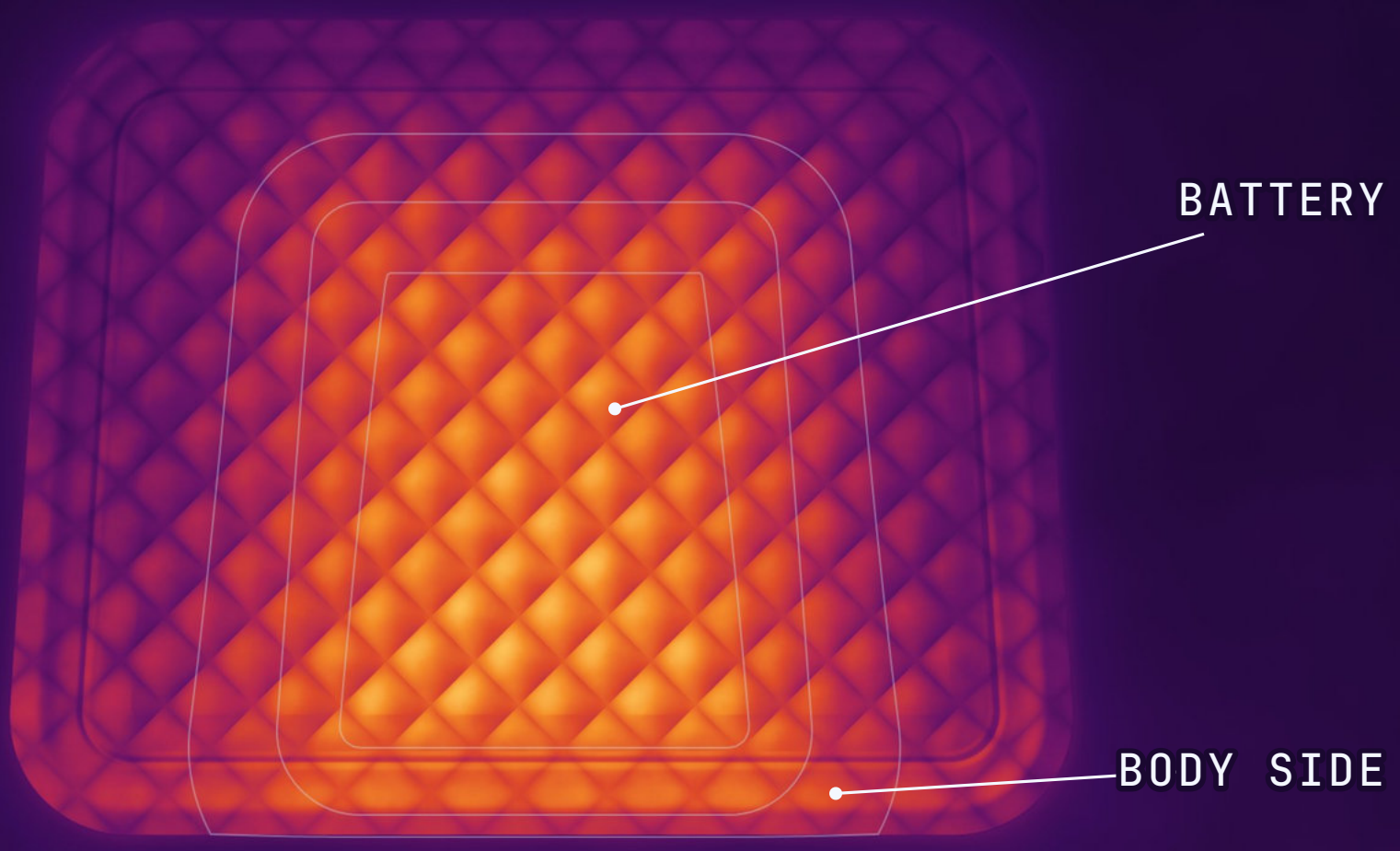


NOT IDENTIFIED BY THE ARMY,
ARMY RECOGNITION REPORTED ON OCTOBER 28TH

PROBLEM 2, COLD

A private hand-sewed a battery vault.

Pfc. Michael Pereira's passive prototype is designed to keep drone batteries viable in sub-zero temperatures using only body heat and radiant barriers. It was an entry at Angel Ascent, the 11th Airborne's innovation competition, on October 28th.



RELATIVE HEAT, NO TEMPERATURE PUBLISHED

STUDIO DRAWING FROM THE ARMY'S DESCRIPTION

PROBLEM 3, MOUNTAINS

First place went to a relay over the ridge.

Spc. Leighton Keilen won Angel Ascent, and a Meritorious Service Medal, with a Skydio drone relay and modular payload delivery system. The Army says it significantly extends tactical drone range in Alaska's mountains.



A CHUGACH PROFILE, DRAWN TO SHOW LINE OF SIGHT. NOT THE SITE. VERTICAL EXAGGERATION 6X

PROBLEM 4, SNOW

Not every fix flies. About $300 in materials.

"We put together a metal version that can sustain the weight of snow, and can also be popped open easily."

CAPT. DANIEL WOODARD, 725TH LIGHT SUPPORT BATTALION

It replaces cloth gunner hatch covers that let snow leak into truck cabs.

HATCH SHAPE ILLUSTRATIVE



ANGEL ASCENT, OCTOBER 28TH

The entries the Army named.



Skydio drone relay and payload delivery system

SPC. LEIGHTON KEILEN, FIRST PLACE



Hand-sewn passive thermal battery vault

PFC. MICHAEL PEREIRA



Unit-fabricated ring mount hatch for FMTVs

FOR CONVOY GUNNERS



TroopToTask.org

STAFF SGT. ROBERT BADDELEY

3D-printed explosively formed penetrators for FPV drones

NAMED HERE, NOT DRAWN

10 MINUTES TO BRIEF, FIVE OF QUESTIONS

FIVE CRITERIA	SECOND ITERATION, TWICE A YEAR

EVERY OTHER COMPETITOR, AN ARMY COMMENDATION MEDAL.
EVERYONE, A FOUR-DAY PASS.

What Alaska problem should soldiers bring to the next Angel Ascent?

"Soldiers across the 11th Airborne Division continue to demonstrate that many of the best ideas come from the bottom up."

COL. MATTHEW ADAMCZYK, 11TH AIRBORNE DIVISION

