



# AEROKNITE

Product Catalogue

# ABOUT US

Aeroknite provides UAV solutions to businesses by the development and implementation of new technological advancements. We also lower the barrier of entry businesses face around the use of UAVs.



# PRODUCT CATALOGUE

## Autonomous Fire mitigation

- Fire Extinguishing Drones (FED)
- Fire management platform (FIRESCAN)

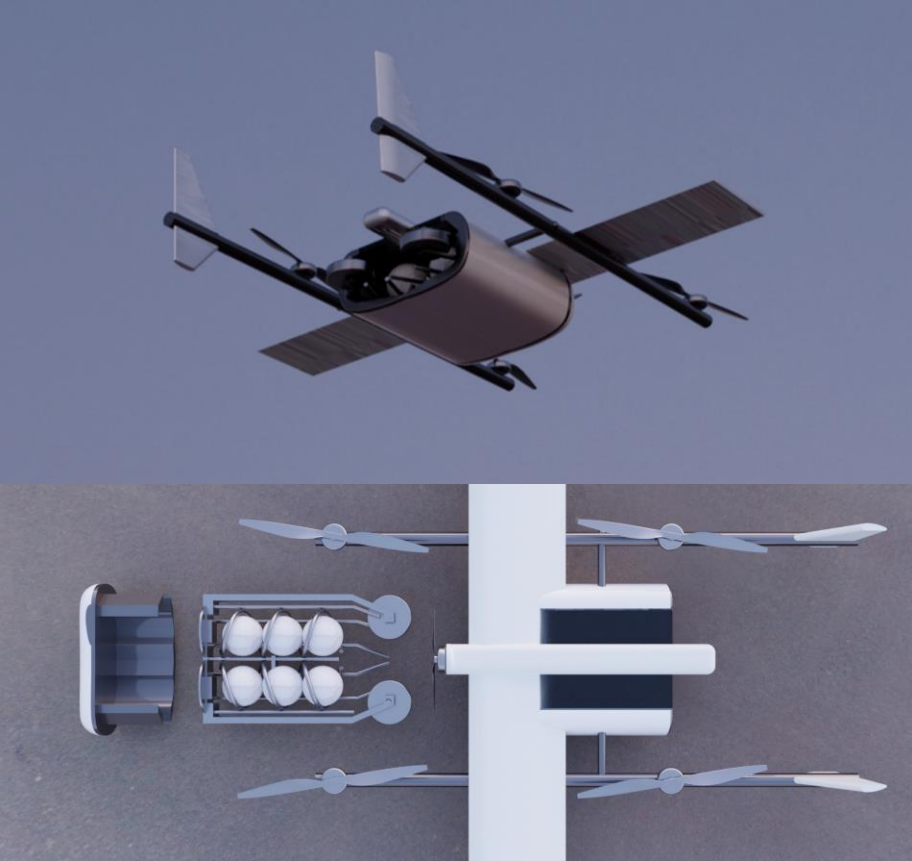
## Aerial Display/Advertisement

- Holographic Drone (Holodrone)

## Advanced Sensing

- Surveillance Drone
- Agricultural Drone (Aerocrop)
- Mine Inspection Drone





## PRODUCT OVERVIEW

# FED – FIRE EXTINGUISHING DRONE

Hybrid heavy-lift drone with VTOL and long range flight capability

## PRECISE CONTROL

Operates semi-autonomously to extinguish fire using solid-state extinguishing balls precisely deployed into the fire for quick suppression

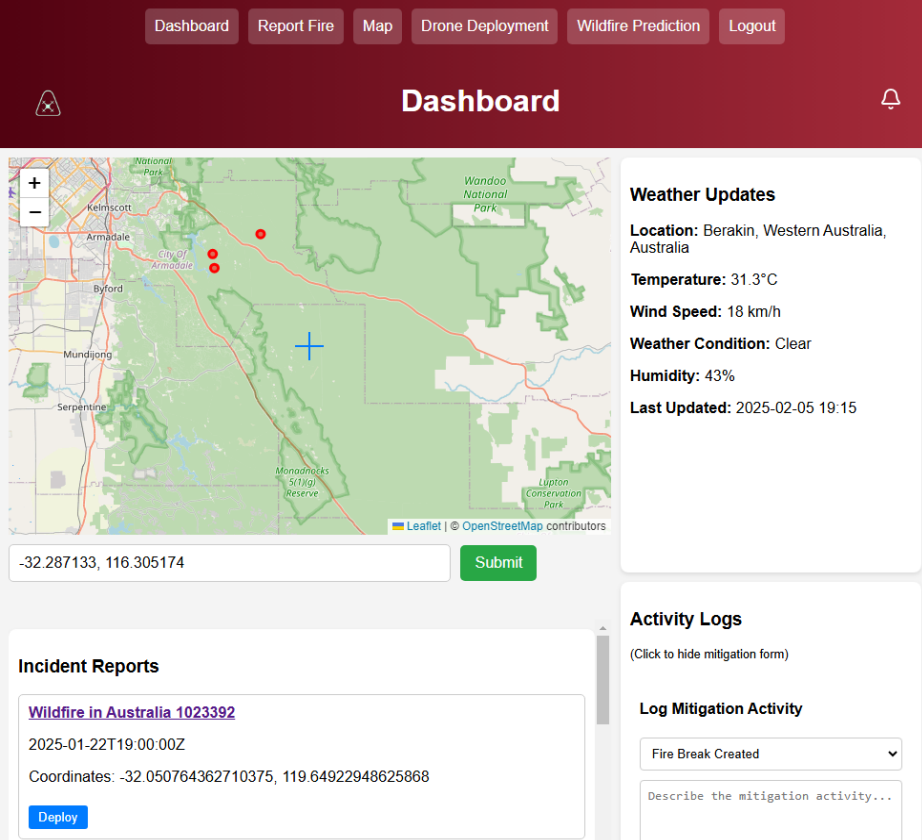
## AUTOMATIC RELOAD & SWARMING

During larger wildfires, drones automatically reload payload and operate in connected swarm to extend extinguishing capability

## INTEGRATED SENSORS

Our cutting-edge system uses cumulative outputs from onboard sensors and satellite data for real-time wildfire analysis





# PRODUCT OVERVIEW

## FIRESCAN-WILDFIRE MANAGEMENT PLATFORM

Firescan brings real-time fire detection, AI predictions, drone control and fire analysis together in one intuitive tools.

Available here: [Firescan.app](https://firescan.app)

## AI-POWERED WILDFIRE PREDICTION

Firescan uses our propriety AI technology to provide essential tools for wildfire prediction, early detection, risk assessment and efficient resource allocation. All AI models are trained inhouse

## DRONE DEPLOYMENT

Firescan provides an easy to use drone control interfaces for remote deployment and monitoring of Fire-extinguishing drone.





## PRODUCT OVERVIEW



## HOLOGRAM DRONE

Our hologram drone uses state-of-the-art holographic technology to project vivid 3D images, videos, and animations into the sky.

### ADVANCED CONTROL AND STABILITY

The drone operates with a high degree of stability, featuring a rotating hologram unit that produces bright, high-resolution visuals in mid-air.

### ADVANCED DRONE DISPLAY

Each drone is capable of creating a dynamic and engaging show on its own, with the option to increase the visual impact by flying multiple drones together.





## PRODUCT OVERVIEW

### SURVEILLANCE DRONE

This Fixed wing drone provides users with the long-range surveillance capability. With a max range of 25km, 3 hour flight time and max operating altitude at 3000km suitable for pipeline analysis, asset inspection, Agricultural analysis and GIS

### ADVANCED SENSING

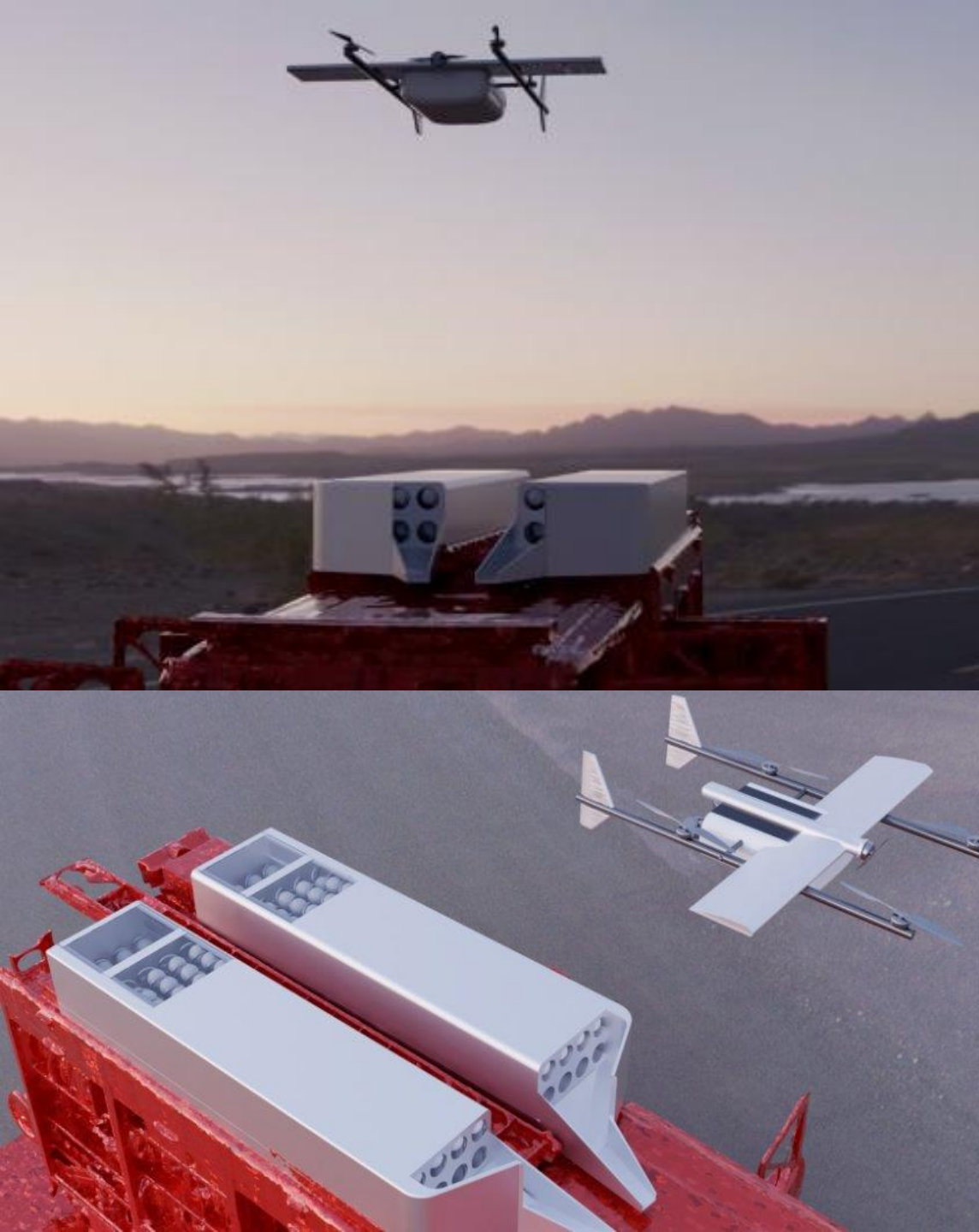
The drone is equipped with High resolution thermal and visual camera with IR for night surveillance. The easily swappable payload allows for the addition of advances Lidar and multispectral sensors for topographic and vegetation monitoring

### AUTONOMOUS CONTROL & MISSION PLANNING

This drone has a communication range of 30km using high gain antennas allowing for beyond Line of sight operation. Autopilot system allows for precise mission planning and Geofencing capability







## SUMMARY

At Aeroknite, we believe in using technology to improve lives. By using our next-generation hardware & software, we help organizations integrate advanced UAV technology into their pre-existing infrastructure.

All drones are built to meet user specification and require 1 month lead time.







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