



#### Conquer the Sky for Human's Good

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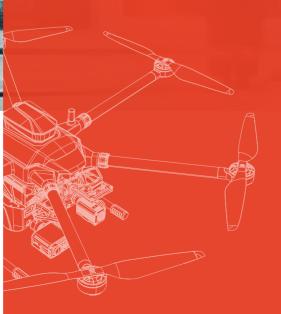






**Fire Hazard Prevetion** The Combination Task Of **Supervising And** Suppressing

**Industrial Solutions** 



# Global Warming is Seriously **Influencing The Forest Fire**

Direct ecological destruction | I Intensify land desertification | Cause soil erosion | Unable to maintain ecological balance

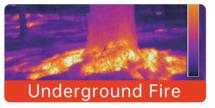
**220 Million Hectares** Forest Area

**16000+ Times** Annual Fire

## Flame Overview



It is mainly spread along the surface The fire burns in the humus layer of Mainly along the canopy spread, of woodland, burning ground cover, the forest, the fire peat layer, and canopy fire destructive, can burn harming young trees, shrubs, under there is no flame visible at the needles, ground cover, etc., the



surface, only smoke, and it spreads general temperature of 900°C, the slowly and can last for days, months smoke is dark gray.



# **Historical Situation**

fire in last ten years

485,000 hectares

193,000 hectares

forest fires in China

Occur period 74%

appened in early of 202

Occur period

# Status Of Industry -



Affected by the complex terrain such as There are many kinds of forest fires, mountains and canyons and dense artificial foot inspection are limited.



complex burning materials, interweaving vegetation, the efficiency and scope of to form a complex fire Occur period From march to april Region Middle south, west south area of china environment.



Forest fires develop very quickly. If the fire prevention is not timely, "small" is not rapid and thorough, it will bring greater challenges to subsequent fire fighting operations and evacuation of

# **Project Introduction**

#### The MMC UAV solution of high efficiency coordination

Focus on responding to the sudden fire conditions before and after the disaster, solve the pain points such as poor timeliness, long interval and secondary reignition in the past.

Open space coordination

© Reexaminng rekindle risks

Inspection and suppression

Fire prevention

Flexible response to emergencies

Mobile automated patrol





Hexacopter



Tri-light Camero



Water based fire extinguisher



Dry powder fire extinguisher

and dispate

Remote control centre







The bush

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### Structure -



# Operation Process -







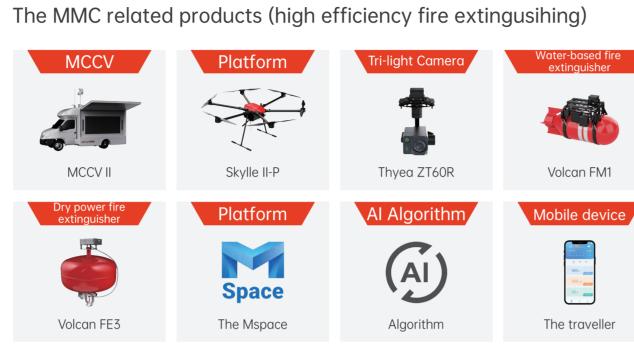
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## Outcomes -



### **Product Introduction**





#### Vanguard Mobile Control And Command Vehicle II

As a mobile workstation on site, the mobile command vehicle is equipped with command and dispatch, communication support, flight control, material storage, remote control, data processing, large screen overview, on-board power generan, weather monitoring, night lighting and other functions.

	tior
_	В

130km/h

3.7 Sauare mete



#### Skylle II-P (UAV)

Aviation carbon fiber integrated molding process, can cope with harsh working environment; Quick-disconnecting arm and tripod design, with rapid deployment, portability and other characteristics.

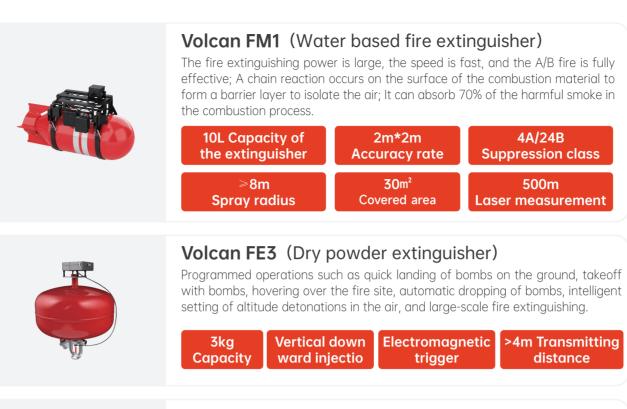




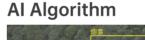
#### **Thyea ZT60R** (Trilight Camera)

Support photography and video, target tracking function, Al detection of vehicles and personnel. The photo attributes include the time it was taken and GPS information.

30x Optical zoom	Ultro





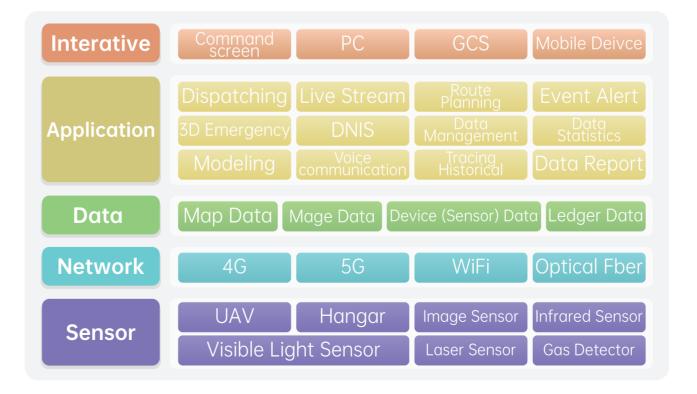






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### The Stucture Of Mspace





### Successful Case -



### Case: Dinghu Fire-fighting Practice





Flight height 40m, explosion height 8m

#### Infrared test,laser measure, and accuary locating the taget

The UAV flew to a height of 40m, quickly sensed the location of the fire through infrared thermal imaging and local temperature measurement function, and quickly measured the longitude and latitude coordinates and spatial distance of the fire with laser capability. The aerial detonation height of the fire bomb was set to 8m. The pilot quickly aimed at the location of the fire through the remote control image transmission screen, accurately put the fire bomb, and successfully extinguished the fire source.





