

HyDrop

An accurate and safe, around the clock firefighting solution

ELBIT SYSTEMS - AEROSPACE

AERIAL FIREFIGHTING

HyDrop™

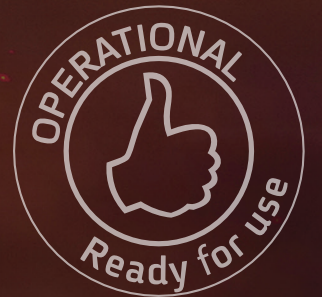
An accurate and safe, around the clock firefighting solution

Key benefits

- Firefighting in day, night and degraded visibility
- Increased flight safety - higher altitude (500-2000 Ft.), straight and level flights
- Wild-land urban interface firefighting capabilities
- Harmless to people or property on the ground
- Increased efficiency - coverage level > 8 GPH
- Reduced crew workload
- Implemented on various platforms
- Green, bio-degradable pellets, environmentally friendly

HyDrop

- Provides around-the-clock firefighting solution
- Improves the efficiency of current operations
- Protects human lives and property
- An innovative technology that does not impact the platform on which it is installed



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Elbit Systems Ltd.

Advanced Technology Center, P.O.B. 539, Haifa 3100401, Israel
E-mail: aerospace@elbitsystems.com www.elbitsystems.com

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HyDrop

An accurate and safe, around the clock firefighting solution

As wildfires become more frequent, more lethal and harder to control, the threat to people's homes and lives increases, and firefighters require additional tools with which to fight the fire both during the day and more importantly at night, while other firefighting tools are grounded.

Current solutions pose the following challenge:

- Liquid dropped from airplanes becomes aerosol, which drifts with the wind
- Flight altitude is dangerously low
- Night flights are forbidden
- Smoke and poor visibility effect firefighting abilities

Our Promise:

HyDrop is a direct attack method of operation, which causes no damage to property or people on the ground.



Continuous operation



Increased flight safety



Efficient



Green



On-site. On-demand

A Four Part Solution:

The Pellets - At the Heart of the Solution

- A large cluster of encapsulated droplets
- Dropped from significantly higher altitudes in an accurately ballistic trajectory
- Green - Bio-degradable packaging
- Leaves no harmful residues when burnt or in degradation process
- Does not harm people or damage property when dropped from high altitudes (even at impact)
- Pellets can contain any suppression or retardant material

Dispenser

- Installed permanently or per-mission
- Can be used on variety of aircraft and helicopters
- Can be preloaded and quickly reloaded for fast turnaround

Pellet Manufacturing Machine

- Pellet Manufacturing Machine
- On-Site, On-Demand pellets manufacturing
- Mobile on standard shipping container
- High rate mass production for fast reloading
- Direct load into dispenser

Advanced Display & Delivery System

- Advanced avionic technologies
- Computerized mission control to eliminate pilot's error
- Calculates ballistic trajectory taking into account: Target coordinates, flight velocity, altitude, GPS position and wind
- Real-time, dynamic display of pellet impact point, approach route and drop aid symbology
- Self target marking capability

Suitable for a Wide Range of Platforms:



C-130



C-295



Air Tankers



CL-215



AT-802



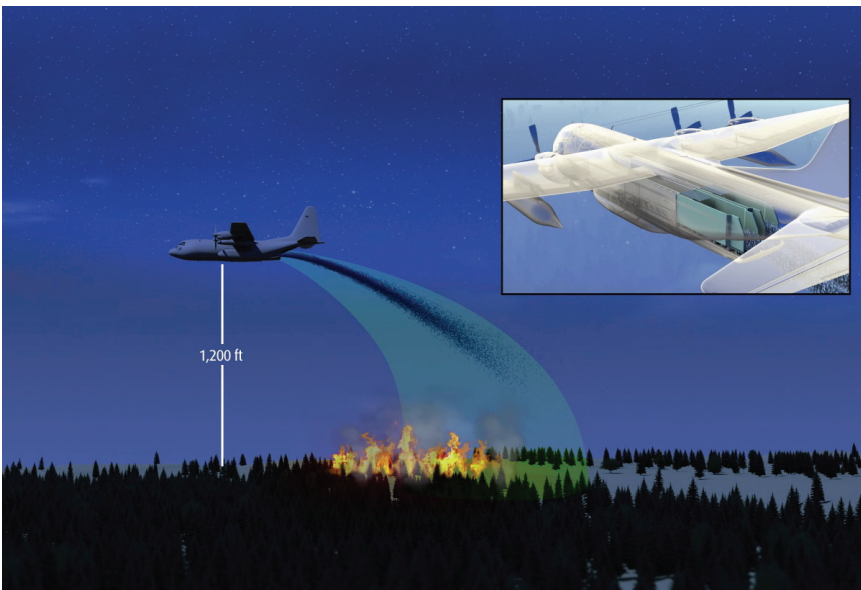
CH-47 Chinook



UH-60 Black Hawk



Kamov 32



The challenge

The promise

The end result