

## Precision Container Aerial Delivery System (PCADS™)

### A GENERIC AERIAL FIREFIGHTING SOLUTION

PCADS™ is a roll-on/roll-off generic aerial firefighting solution compatible with the most common fixed and rotary wing transport aircraft that fly aerial delivery (AD) missions. Airlift squadrons with PCADS™ can turn their airframes into large and very large airtankers in minutes for rapid response missions. PCADS™ is the SAFEST and most cost-effective aerial firefighting system on the market that employs the global standard and widely used CDS (Container Delivery System) AD system. PCADS™ missions require air drop capable aircraft and the airframes chosen for these missions do not have to be mission specific or have crews trained for wildland firefighting. PCADS™ was engineered with safety as the top priority keeping aircraft and crews safe and high above the smoky skies and dangerous unstable air with PCADS™ HALO time delay.

AllClear is an international distributor for Saint Industries.

PCADS™ was developed with, tested and approved by the United States Air Force, Air National Guard & US Forest Service. PCADS™ is approved for use internationally by the United Nations Agricultural Institutions IFAD & FAO, along with the Royal Thai Air Force and Turkish Air Force airlift squadrons for use on aerial firefighting and agriculture missions.

### PCADS™ HAS BEEN TESTED AND CERTIFIED BY THE USAF, USRDEC, AMC & ATTLA

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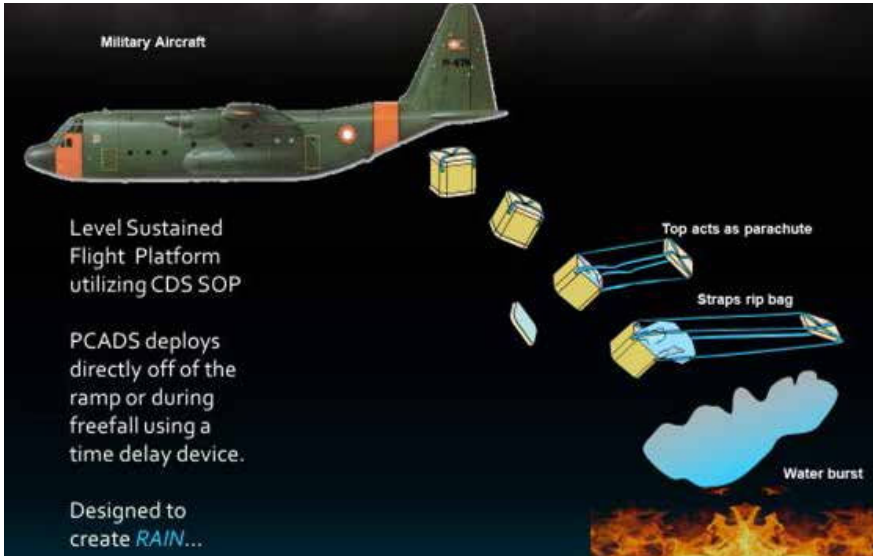
	AIRCRAFT WITH PCADS™	MAFFS/RADS (LAT - LARGE)	ROTOR AIRCRAFT (HELITACK)	SUPER SCOOPER (CANADAIR)
NIGHT OPS	✓	✗	✓	✗
HIGH WINDS OPS	✓	✗	✗	✗
HIGH ALTITUDE DEPLOYMENT	✓	✗	✗	✗
LOW VISIBILITY	✓	✗	✗	✗
MOUNTAINOUS TERRAIN	✓	✗	✗	✗
LEVEL FLIGHT DEPLOYMENT AT ANY ALTITUDE	✓	✗	✗	✗
MULTI-USE PLATFORM	✓	✗	✓	✗
IMMEDIATELY RETASKABLE	✓	✗	✓	✗
NO RETAINER CONTRACT	✓	✗	✗	✗
NO MODIFICATIONS REQUIRED	✓	✗	✗	✓
NO EQUIPMENT MAINTENANCE	✓	✗	✗	✗
VEGETATION SAFE	✓	✓	✗	✗
24/7/365 OPERATIONS	✓	✗	✗	✗

APPLICABLE FOR OTHER HUMANITARIAN MISSIONS SUCH AS OIL SPILL CONTAINMENT, ILLEGAL FARM AND VEGETATION ERADICATION, CHEMICAL AND NUCLEAR PLANT EMERGENCY MANAGEMENT AND PEST EXTERMINATION.

## How It Works

### NIGHT VISION GOGGLES

PCADS™ missions are 100% compatible with NVG operations enabling safe & effective operations around the clock.



### INTRINSIC VERTICAL RESTRAINT

Enabling the safest operation & deployment, with the shortest setup time (Patented)

### DIRECT ATTACK & CONTAINMENT MISSIONS

Unlike traditional aerial firefighting systems, PCADS™ is designed for both Direct Attack and Containment missions either during the same or separate sorties deploying a variety of US Forest Service approved water enhancers and long-term retardants.

AIRFRAMES: FIXED-WING	PCADS™	LITERS	USG	MAX PAYLOAD
C-130J	24	24,983	6,600	44,500 LBS
C-390	24	24,983	6,600	57,000 LBS
A400M	24	24,983	6,600	81,600 LBS
C-130H	16	16,656	4,400	42,000 LBS
C-130H-30	20	20,820	5,500	44,000 LBS
L-100	20	20,820	5,500	51,000 LBS
C-17	40	41,640	11,000	170,900 LBS
CASA-235/295	5-10	10,410	2,750	21,985 LBS
C-27J	6	6,240	1,650	24,912 LBS
IL-76/78	40	41,640	11,000	132,000 LBS
CL-415 SUPERSCOOPER	N/A	6,136	1,621	13,450 LBS
AT-802 AIRTRACTOR	N/A	3,028	800	9,495 LBS
AIRFRAMES: ROTORS				
CH-47/CH-53	7	7,287	1,925	24-36,000 LBS
V-22	5	5,200	1,375	20,000 LBS

### HIGH ALTITUDE LOW OPENING (HALO)

HALO enables aircraft to fly missions 24/7 from 500-5000ft Above Ground Level (AGL), day or night, in high winds and with little to no visibility that would normally ground all other air tankers.

### SPECIALIZED BLADDERS

Impact/pressure tested, Ensures liquid media is secured for loading, flight, and allows for easy deployment once the bundle leaves the aircraft (Patented)

A study completed in Australia in 2020 proved that aerial firefighting missions flown at night are 10x more effective than daytime operations. The big problem is that it's extremely dangerous for traditional large fixed-wing aircraft to fly these missions at night. PCADS™ is the solution for nighttime aerial firefighting missions. Contact us now to Bring The Rain!

### QUALITY & COMPLIANCE

AllClear Aerospace & Defense is committed to quality, continuous improvement, and full regulatory compliance at every level of the organization through AS9120 and ISO 9100:2008 certifications, implementing lean processes, continuous quality improvement training initiatives, and a customer service focused business model. Our in-house legal and compliance teams maintain robust processes and procedures to comply with all federal, state, and local regulations including ITAR, EAR, and the FCPA.

For the most current information on our latest capabilities and partnerships, visit [goallclear.com/brochure-library/](http://goallclear.com/brochure-library/)