




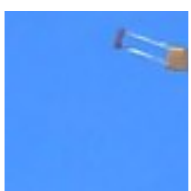

The Guardian™ System

from **CAYLYM**

A significant advance in aerial firefighting. The Guardian™ is a CDSFF (Containerized Delivery System Firefighting) capability which enables hundreds of mission ready cargo aircraft to work in tandem with ground crews and the existing fleet.



In response to NGAUS Air Resolution #37 to 'Develop and procure new system to disperse fire retardant and air drop capability, generic to all C-130 units.' The Guardian™ is already certified by European aircraft manufacturer Alenia, and is slated for significant role in the EU's Civil Protection Mechanism with Romania as the lead country.

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- Standard CDS Load
 - Compact Shipping & Storage
 - No aircraft modification required

Each unit measures 4ft x 4ft x 4ft delivering 264 gallons of retardant per unit.
(122cm x 122cm x 122cm delivering 1000 L)

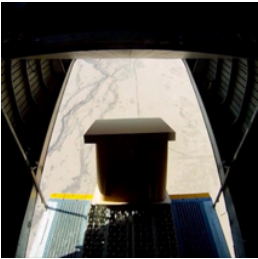


SAFE

- Safe flight profile - Delivery altitude 4+ times higher than current systems
- Greater maneuverability, increased reaction time and better terrain avoidance
- All the benefits of CDS deployment: Speed – Altitude – Loading - Deployment
- Standard aircraft configuration – No aircraft modification required
- Standard CDS load – Pilots and crews are already trained to these published standards
- Internal vertical restraints hold units secure in-flight – Clean load/Clean delivery
- Industry standard, sturdy, seven-layer, continuously wound, corrugated box construction
- No seams or glued edges – Sturdy for all handling and loading – Stands up to in-flight conditions and preserves cargo integrity
- No metal, pyrotechnic, or other hazardous components for improved personnel safety

EFFECTIVE

- Hundreds of mission ready aircraft available
- Increases load capacity per payload. More gallons of retardant = increase saturation
- Enables 24hr firefighting operations – take back the night
- Retardant to System weight ratio – 23:1
- No longer have a single use aircraft



	Aircraft	Gallons per Payload	Liters per Payload
The Guardian™ System Advantage	C-130	16	4,224
	C-27J	6	1,584
	C-17	40	10,560
	C-295	8	2,112
	C-235	5	1,320
	CH-47	6	1,584

RELIABLE AND AVAILABLE

- Over 76 successful test drops (110,000 gal) from C-130, C-27J, and C-123 aircraft
- Guardian’s patented design, manufactured and supplied by reliable US corporations – Responsive production times – Paired with the #1 manufacturer of corrugated cardboard, International Paper
- Exceeds industry standards with rigorous ISO 9001-2008 compliant quality controls

COST EFFECTIVE

- No additional aircraft maintenance, service, retrofitting, cleanup for corrosion control
- Guardian™ System compatible with hundreds of a/c worldwide
- Simple logistic requirements allow for rapid response and attack
- Increased payload capacity and 24 hour capabilities may reduce overall fire event losses

