

SILENT  ARROW®



PRODUCT SUMMARY

CLS-SERIES

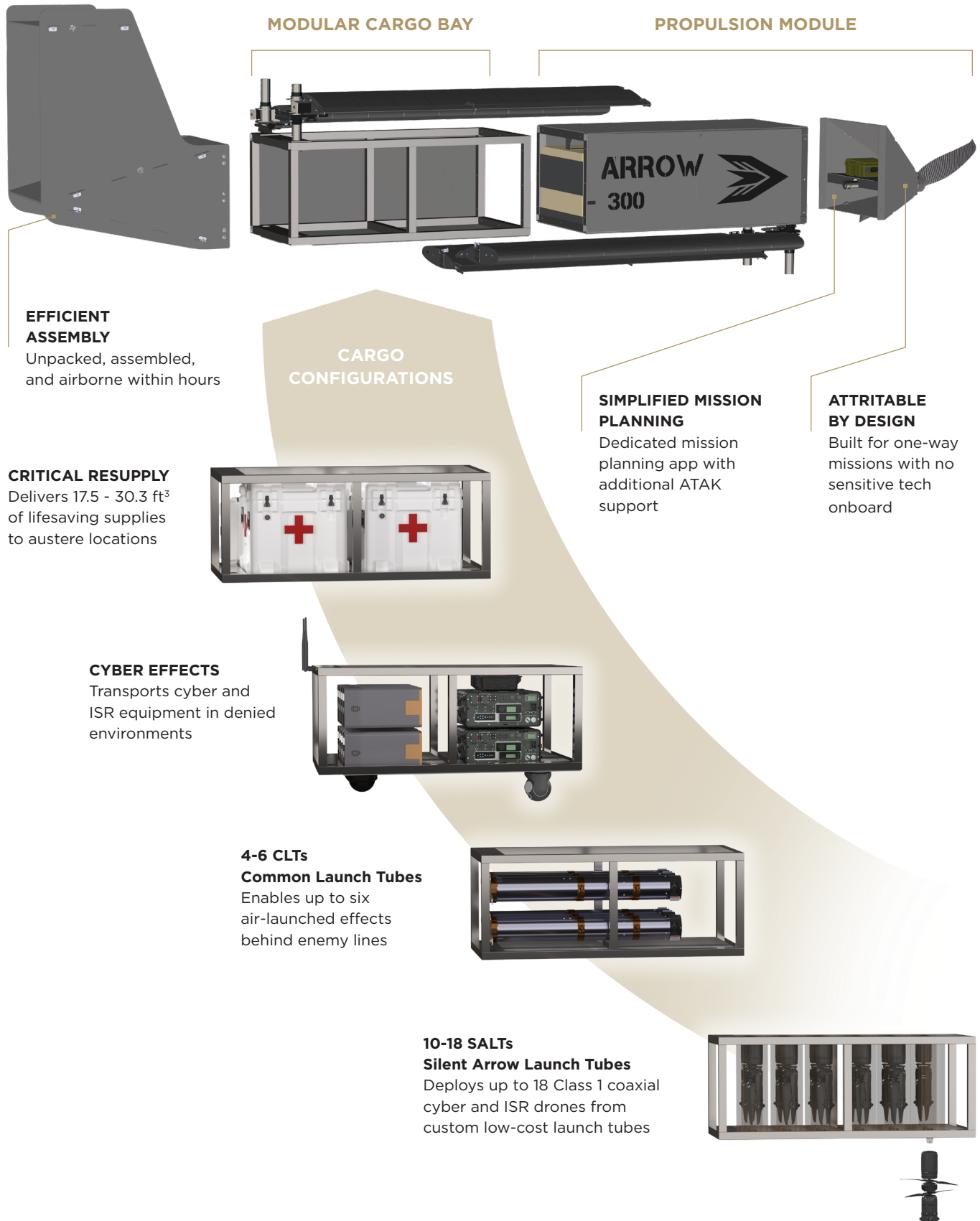
The Silent Arrow® Contested Logistics System 200 and 300/500 (CLS-Series) are government-sponsored, rugged, autonomous UAVs purpose-built to penetrate deep into contested airspace and deliver strategic effects without the need for recovery.

Driven by direct Pentagon demand, the CLS-Series fills a critical gap in the National Defense Strategy—offering unmatched range, multi-mission versatility, and deployability at a third of the cost of any comparable option. It features a modular cargo bay for operations such as carrying and releasing cyber payloads behind enemy lines or launching Class 1 drones mid-flight to conduct electronic warfare, ISR, or cyber operations at long standoff ranges. Leveraging the foundational engineering of the Silent Arrow GD-2000, the

first heavy-lift standoff capability to achieve mass production, the CLS-Series delivers a leap forward in autonomous airpower for the U.S. and partner nations.



PLATFORM CAPABILITIES



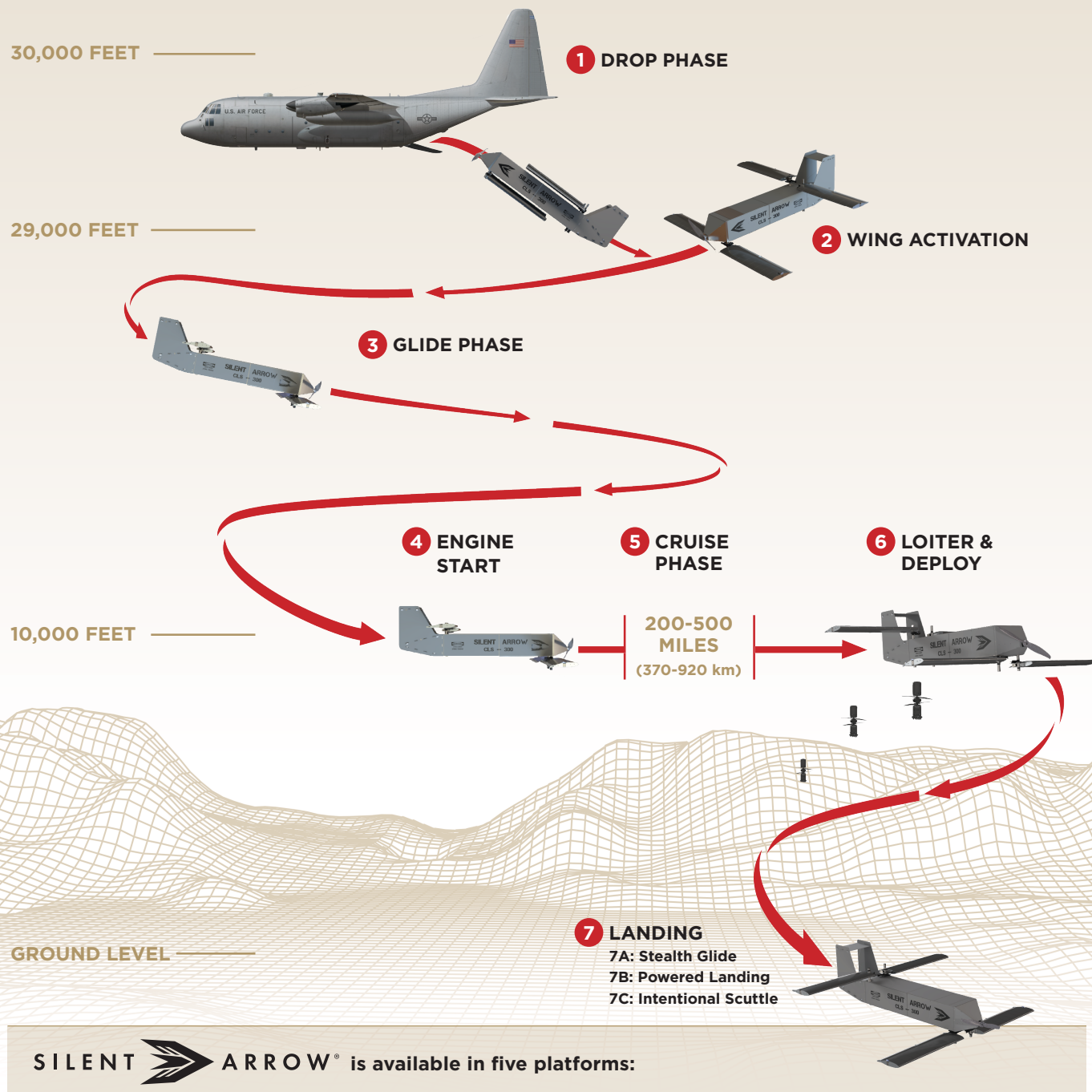
SPECIFICATIONS

DIMENSIONS & WEIGHTS		
	CLS-200	CLS-300/500
Length (Ready to Fly)	176 in (14.6 ft) (4.47 m)	202 in (16.8 ft) (5.13 m)
Height (Ready to Fly)	Standard: 70 in (5.83 ft) (1.78 m) with skids and full tail Special Mission: 49 in (4.1 ft) (1.24 m) with no skids and short tail	Standard: 75 in (6.25 ft) (1.90 m) with skids and full tail
Width (Wings Open)	187 in (15.6 ft) (4.75 m)	210 in (17.5 ft) (5.33 m)
Wingspan (Total - Tandem Wing)	323 in (26.9 ft) (8.21 m)	356 in (29.7 ft) (9.04 m)
Max Takeoff Weight	1,350 lbs. (612 kg)	2,000 lbs. (907 kg)
Max Payload Weight	500 lbs. (227 kg)	1,000 lbs. (453 kg)
Payload Volume	17.5 ft ³ (0.50 m ³)	30.3 ft ³ (0.86 m ³)

FLIGHT PERFORMANCE		
	CLS-200	CLS-300/500
Range	200 nautical miles (230 statute miles) (370 km)	300 to 500 nautical miles (345 to 575 statute miles) (555 to 925 km) <ul style="list-style-type: none">Standard version with 1,000 lbs. payload range is 300nmExtended-range version with 850 lbs. payload range is 500nm
Cruise Speed	100 knots (115 mph) (185 km/h)	110 knots (126.5 mph) (203.6 km/h)
Engine	1000cc fuel-injected internal combustion engine (Liquid Cooled)	1800cc fuel-injected internal combustion engine (Liquid Cooled)
Fuel Type	Standard pump gasoline or aviation gasoline (100 LL)	Standard pump gasoline or aviation gasoline (100 LL)
Exhaust	Low-acoustic-signature muffler system	Low-acoustic-signature muffler system
Horsepower	75 hp (56 kW)	120 hp (89.5 kW)
Fuel Capacity	14 gallons (53 liters)	40 gallons (151.4 liters)
SALT / CLT Capacity	Up to 10 SALTs or 4 CLTs	Up to 18 SALTs or 6 CLTs

LAUNCH & TRANSPORT	
Transportable	to the theater of operations on two standard 8-ft (2.44 m) pallets
Rapid assembly	by general military personnel with basic hand tools
Air deployable	from ramped fixed-wing aircraft, ramped rotorcraft and slingload/longline
Ground deployable	from a reusable Silent Arrow® ground launch sled
Optional parachute	available for contested logistics in dense environments

CONCEPT OF OPERATIONS (CONOPS)



GD-2000
GLIDER

WIDEBODY
GLIDER

SA-PGB
GLIDER

CLS-200
POWERED

CLS-300/500
POWERED



Silent Arrow® is proudly manufactured in the U.S.A. and in the U.K. under AS9100. Silent Arrow® holds a number of airdrop approvals including C-130H, MC-130J, C-27J, Airbus A400M as well as FAA COA approval to operate up to 15,000 feet in the U.S. National Airspace.

Silent Arrow® is a registered, incontestable trademark of Yates Electrospace Corporation and is protected by one or more of the following patents: 9,868,526 / 10,232,938 / 10,710,715 / 11,565,805 / 12,286,224 / 63,754,121 / Japan Patent 7,414,732 / Israel Patent 278,083 and PCT/US19/29946. Other U.S. and international patents pending.
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