

FLEXROTOR

Land and Sea Expeditionary UAS

The Flexrotor is a Group 2 expeditionary Unmanned Aerial System (UAS) with proven combat performance on land and at sea. Flexrotor provides best-in-class capabilities to conduct Intelligence, Surveillance, Target Acquisition, and Reconnaissance (ISTAR) missions, with the ability to identify, classify, and disseminate target intelligence. The entire system is easily transported and operated from a single vehicle, aboard small vessels such as patrol boats, and can be inserted with tactical teams aerially deployed to remote, austere locations.



**Multi-INT
payloads**



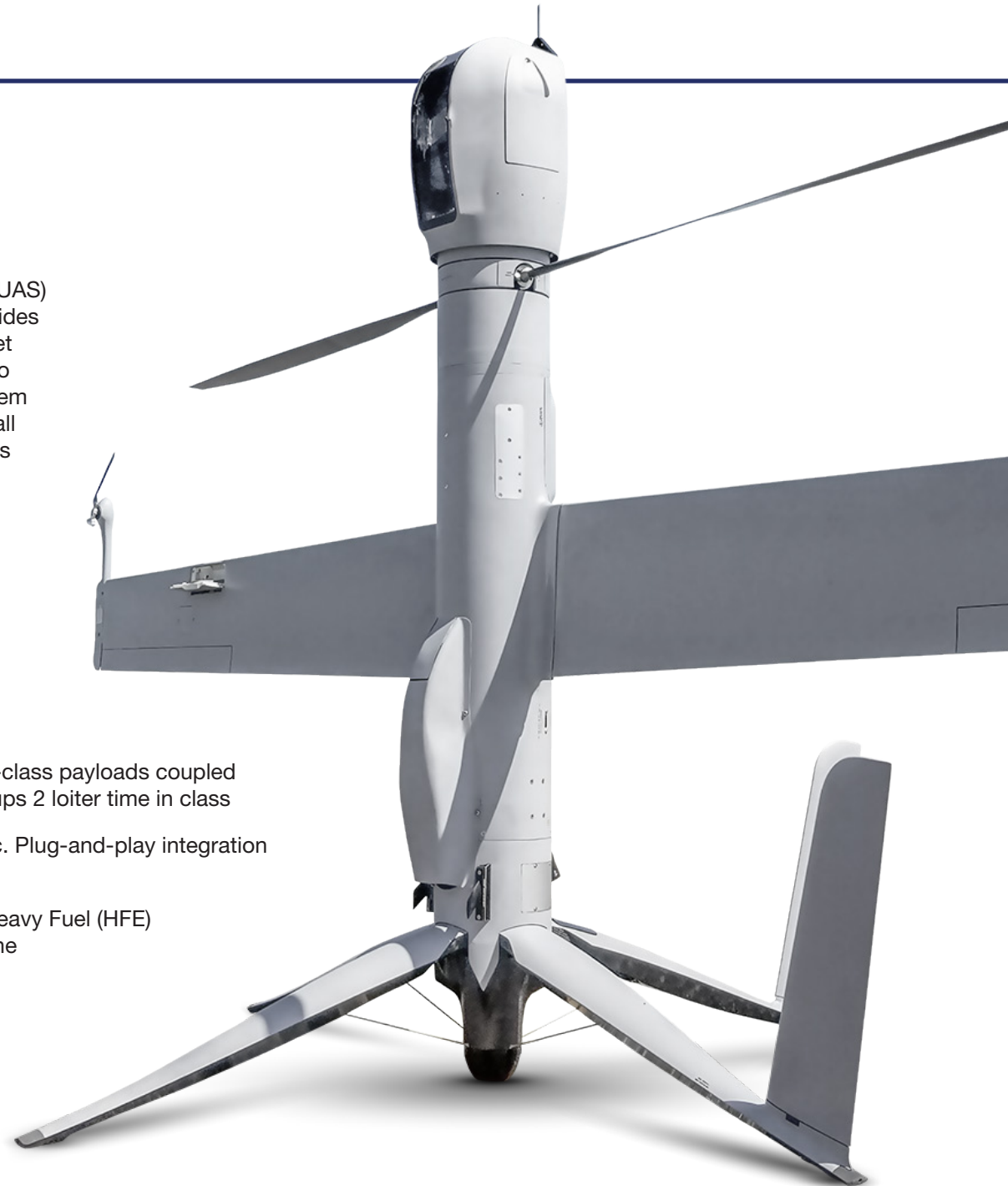
**Stowage to flight in
under 15 minutes**



**Record setting
32 hour endurance**

- 14+ Hours endurance with standard payload configuration
- Proven launch and recovery in heavy winds and seas
- No launch and recovery equipment
- Safety: only UAS with no human contact during take off and landing
- Ability to operate from patrol vessels and other vessels without flight decks
- Maximum endurance without sacrificing payload capacity

- Provides best-in-class payloads coupled with longest groups 2 loiter time in class
- Payload agnostic. Plug-and-play integration of new payloads
- Equipped with Heavy Fuel (HFE) or Gasoline engine



FLEXROTOR

Specifications

Rotor diameter	2.2 m / 7.2 ft
Length	2 m / 6.6 ft
Wingspan	3 m / 9.8 ft
Maximum launch weight (ISA, SL)	25 kg / 55 lb
Engine	28 cc 2 stroke Gasoline and Heavy Fuel capable
Hover ceiling (OGE) at max wgt with legs closed	1300 m / 4300 ft
Endurance speed	85 km/h / 46 kt
Dash speed	140 km/h / 77 kt
Payload	8 kg / 18 lb
Wing-borne ceiling at max wgt	6.5 km / 21,000 ft.
Link Range	150-200 km/80-100nm
Endurance with payload	14h+
Take off and landing Winds	27kts
Payload options	Payload agnostic Multi-payload capable Easily configured on site to meet ever changing mission needs

