

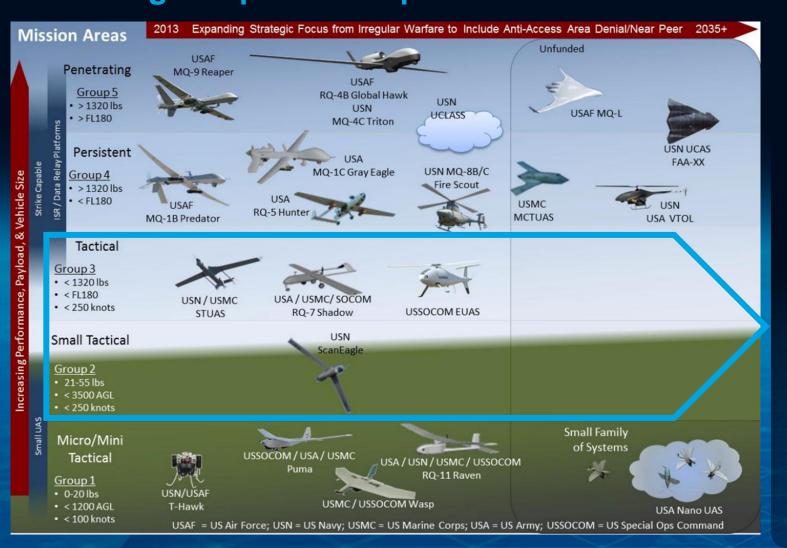
Company Presentation 2023 Annual General Meeting 16 November 2023



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World leader in the design and manufacture of integrated engine systems for military drones*

The UAV landscape Addressing multiple mission profiles





- The military UAV landscape consists of five groups:
 - Group 1: Micro & Mini (Tactical)
 - Group 2: Small Tactical
 - Group 3: Tactical
 - Group 4: Persistent
 - Group 5: Penetrating
- Groups are classified according to maximum gross take off weight, size, operating altitude and airspeed
- Orbital's current competitive advantage is focused within Group 2 & 3 Tactical UAVs

What is a tactical UAV?

Intelligence, Surveillance, Reconnaissance

Tactical UAVs are used by global defence forces for intelligence, surveillance and reconnaissance (ISR) missions

- Field operated by military units
- \$600K \$6 million per system
- State-of-the-art electronic payloads (e.g. day/night cameras)
- Wingspan 3-7 metres
- Flies at up to 20,000 ft
- Endurance up to 24 hours



Naval vessel-based

Runway dependent





Launch & capture

Vertical take-off & landing



A global defence solution Heavy fuel and UAVs



Heavy Fuels (eg JP-5, JP-8, Jet-A1) One fuel for defence forces around the world. SAFETY LOGISTICS ACCESS

ORBITAL[®]

Orbital's technical differentiator

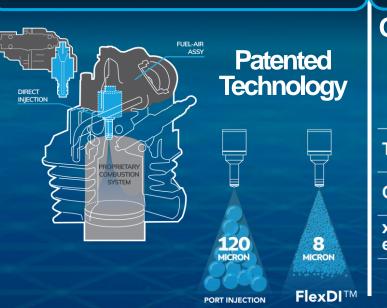
Heavy fuel 2-stroke IP and know-how

40years developing innovative engine solutions

15years as a global leader in spark ignited heavy fuel propulsion

The Challenge

- JP-5 & JP-8 (aka, 'heavy fuels') are the preferred fuel for defence across all equipment
- Heavy fuels offer safety & logistical benefits
- Preferred engines for tactical UAVs are 2-stroke & rotary
- Running heavy fuel in 2-stroke & rotary engines is highly unreliable



The Solution

The Benefits

Orbital UAV's heavy fuel propulsion systems provide the world's best performing UAV engines

	Orbital UAV	Others	
Time between overhaul	500 hrs	~50 hrs	
Cold start to launch	2 min	>20 min	
x3 U.S. FAR33.49 endurance test	Yes	No	
Up to 40% more fuel efficient			

Significant Orbital UAV engine benefits Industry leading performance



Orbital UAV's heavy fuel solutions provide the world's best performing UAV engines

	Orbital UAV	Others	
Time between overhaul	500 hrs	~50 hrs	/
Cold start to launch	Instant	>20 min	
x3 U.S. FAR33.49 endurance test	Yes	No	

Orbital UAV export revenues

Sovereign capability and export revenue



To customers including:



Engine production contracts Existing engine production contracts







INSITUPACIEIC

A Boeing Company



US Army's FTUAS Program Replacement of the +15yr old Shadow UAV

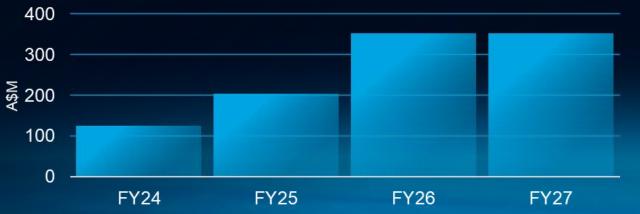




US SPENDING REMAINS DOMINANT

The US Army Future Tactical Unmanned Aircraft System (FTUAS) Program is one of the largest global UAV programs currently underway

FTUAS Program Forecast Procurement Spending







Griffon Aerospace Valiant Textron Aerosonde HQ

Current market focus

Engines – a critical sub-system









Orbital UAV (ASX : OEC)

Targeting sales growth within a \$3 billion market

Two engine production lines built for Boeing Insitu

Average revenue (last 3 years) ~\$20M p.a.

Two additional engine production lines scheduled for FY24

Further revenue expansion through new engine development strategy

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