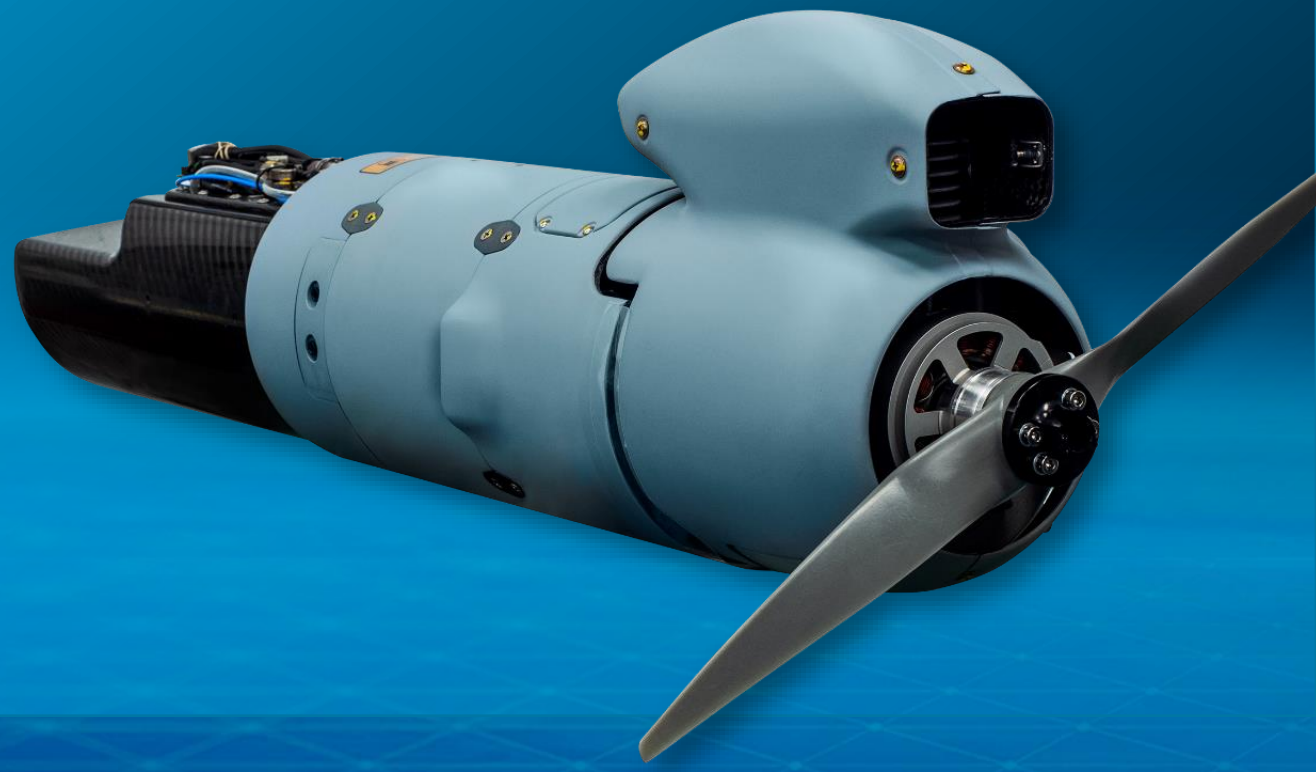
ORBITAL® UAV

Company Presentation

2023 Annual General Meeting

16 November 2023

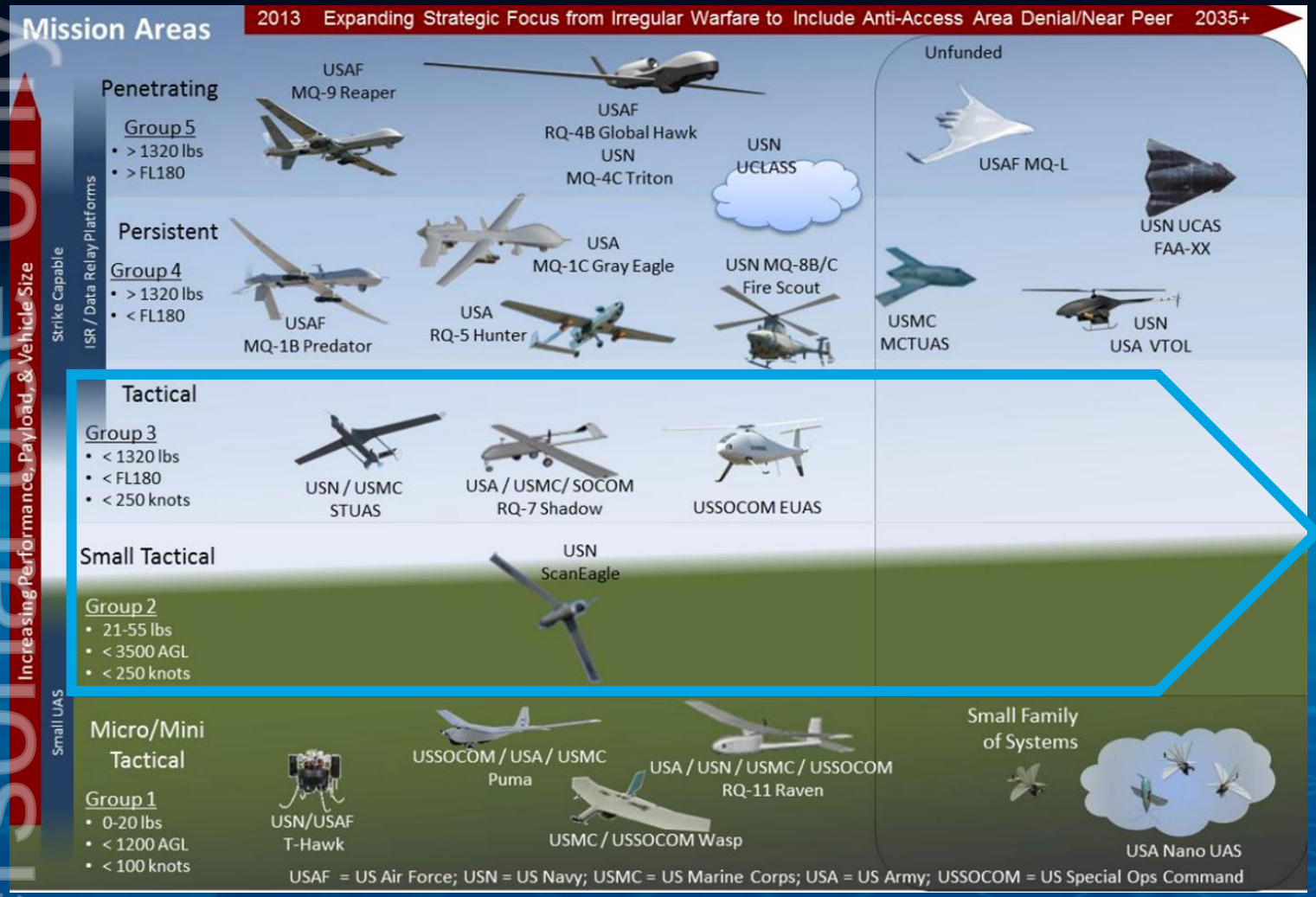
World leader in the design and manufacture of integrated engine systems for military drones*



(* Tactical Unmanned Aerial Vehicles 'UAVs')

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

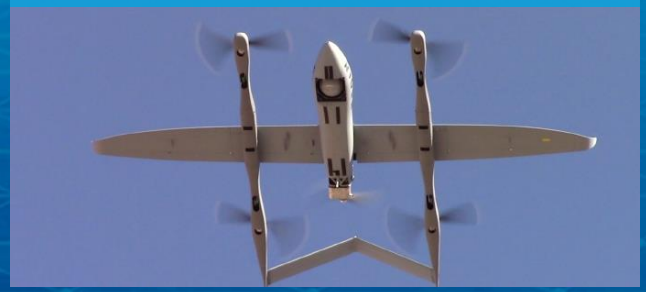
- Field operated by military units
- $600K - $6 million per system
- State-of-the-art electronic payloads (e.g. day/night cameras)
- Wingspan 3 – 7 metres
- Flies at up to 20,000 ft
- Endurance up to 24 hours

Naval vessel-based

Launch & capture

Runway dependent

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's technical differentiator

Heavy fuel 2-stroke IP and know-how

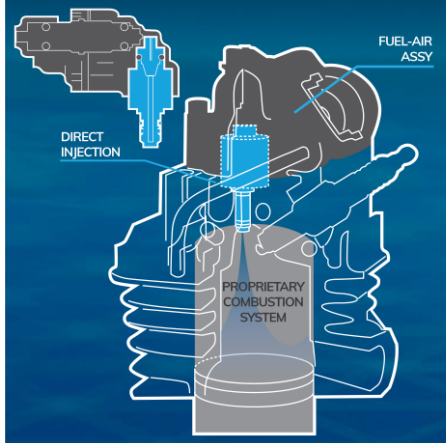
40 years developing innovative engine solutions

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

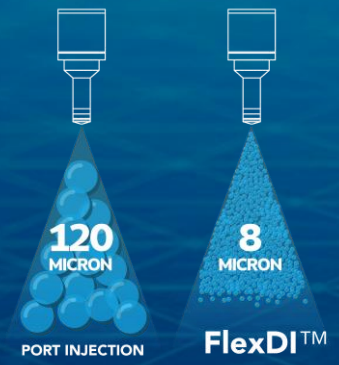
The Challenge

- 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



Patented Technology



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

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

Exporting ~$20m p.a[1]

To customers including:

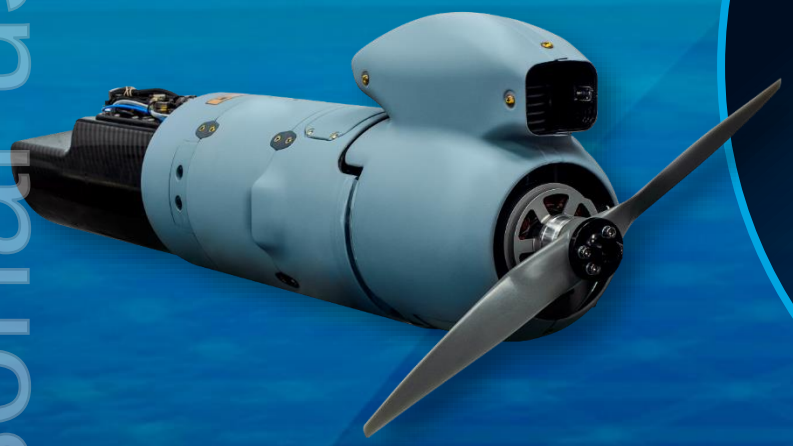
[1] Average export revenue over last 3 years

Engine production contracts

Existing engine production contracts

ORBITAL UAV

INSITU
A Boeing Company



Production Engines x 2

INSITU
A Boeing Company

INSITU PACIFIC
A Boeing Company

Engine development to Production

Existing engine developments entering production

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TEXTRON Systems

TEXTRON Systems

Development Programs X 3

SINGAPORE DEFENCE COMPANY

US Army's FTUAS Program

Replacement of the +15yr old Shadow UAV

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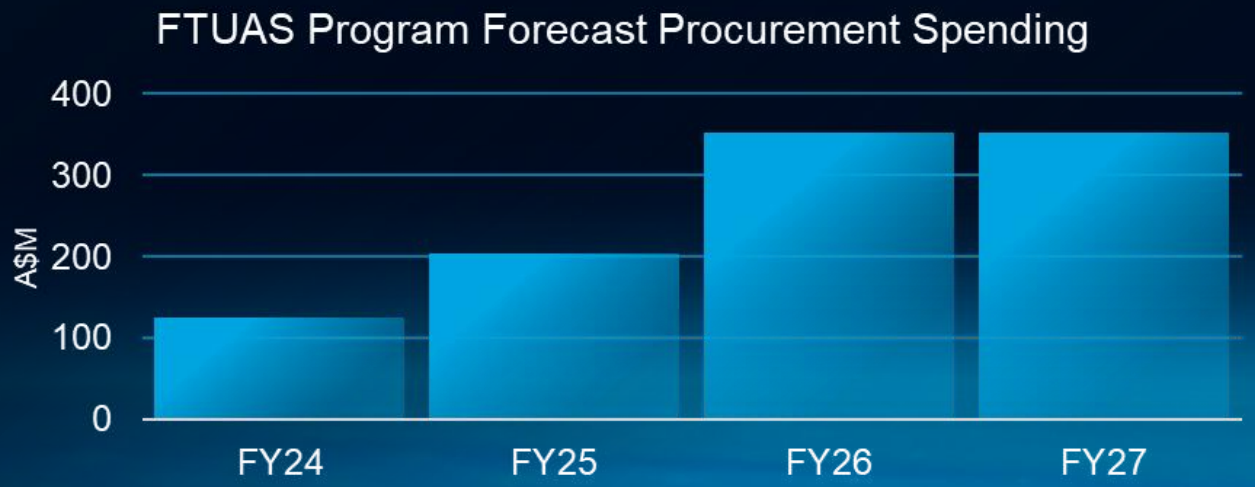
US SPENDING REMAINS DOMINANT

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



Textron ***Shadow replacement***

Griffon Aerospace ***Valiant***

Textron ***Aerosonde HQ***

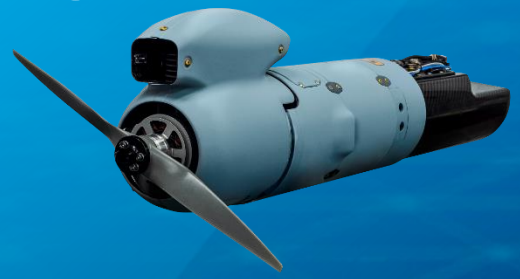
Current market focus

Engines – a critical sub-system

Integration / Build Labour: 10%

UAV Bill of Materials: 10%

Engines: 10%



Mission Management Systems: 30%

Training: 10%

Payloads: 20%

Ground Support Equipment: 10%

Engine development opportunities

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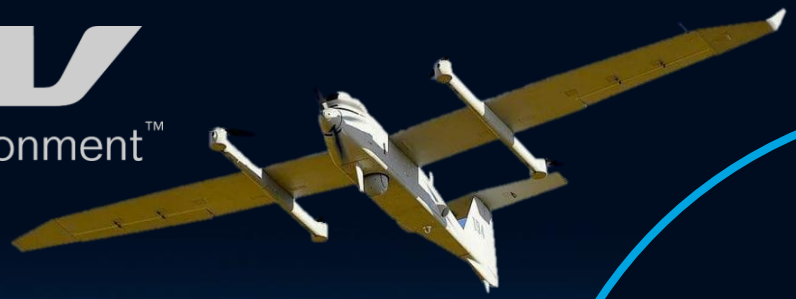
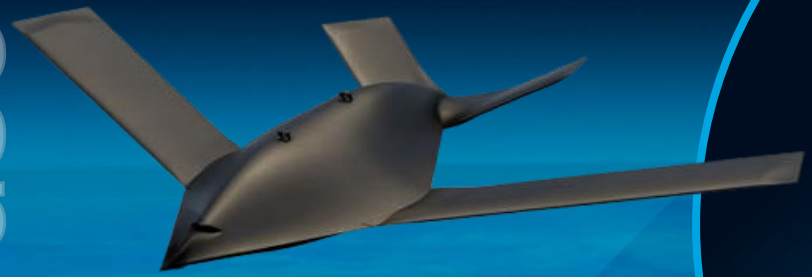
SHIELD AI

AeroVironment™



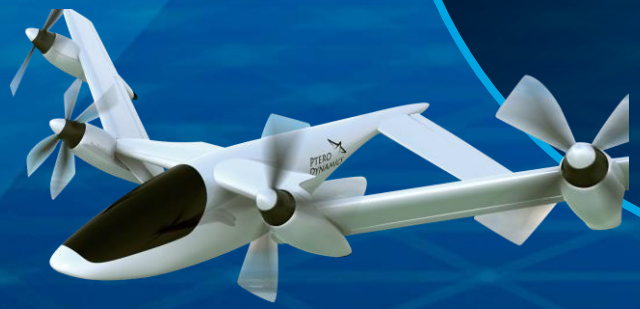
Opportunity Pipeline



GENERAL ATOMICS AERONAUTICAL

L3HARRIS™

PTERO DYNAMICS



ANIMAL DYNAMICS

Orbital UAV snapshot

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

ORBITAL® UAV

Ready to fly™

www.orbitaluav.com