



ORBITAL[®]
UAV

Investor Roadshow

March 2019

Cautionary statement



This presentation includes statements looking-forward that involve risks and uncertainties. These statements are based upon management's expectations and beliefs concerning future events. Forward-looking statements are necessarily subject to risks, uncertainties and other factors, many of which are outside the control of the Company, that could cause actual results to differ materially from such statements. Actual results and events may differ significantly from those projected in the forward-looking statements as a result of a number of factors including, but not limited to, those detailed from time to time in the Company's Annual Reports. Orbital UAV makes no undertaking to subsequently update or revise the forward-looking statements made in this presentation to reflect events or circumstances after the date of this release.

Emerging world leader in
tactical unmanned aerial vehicle
propulsion systems and
flight critical components

UAV landscape

Combat UAV

- **Price per aircraft:** \$55 million - \$65 million*
- **Payload:** up to 1,700 kg
- **Length:** up to 11 m
- **Wingspan:** up to 20 m
- **Max endurance:** 27 hours
- **Max altitude:** 50,000 ft

Example: MQ-9 Reaper



Tactical UAV

- **Price per aircraft:** \$2.5 million - \$4 million per system**
- **Payload:** up to 20 kg
- **Length:** up to 2 m
- **Wingspan:** up to 5 m
- **Max endurance:** 24 hours
- **Max altitude:** 20,000 ft

Example: ScanEagle3



Mini UAV

- **Price per aircraft:** ~\$180,000 per system***
- **Payload:** up to 3.5 kg
- **Length:** up to 0.9 m
- **Wingspan:** up to 1.5 m
- **Max endurance:** 60-90 minutes
- **Max altitude:** 500 ft

Example: The Raven



* Includes aircraft, sensors, ground control stations, and communications | ** Includes air vehicles or AVs, a ground control station, remote video terminal, launch system and recovery system
*** Includes UAVs, ground control stations and spare parts

Tactical UAV capabilities



Tactical UAV's are primarily used for intelligence, surveillance and reconnaissance operations. They do not carry weaponry but have the capability to carry multiple and varied payloads.

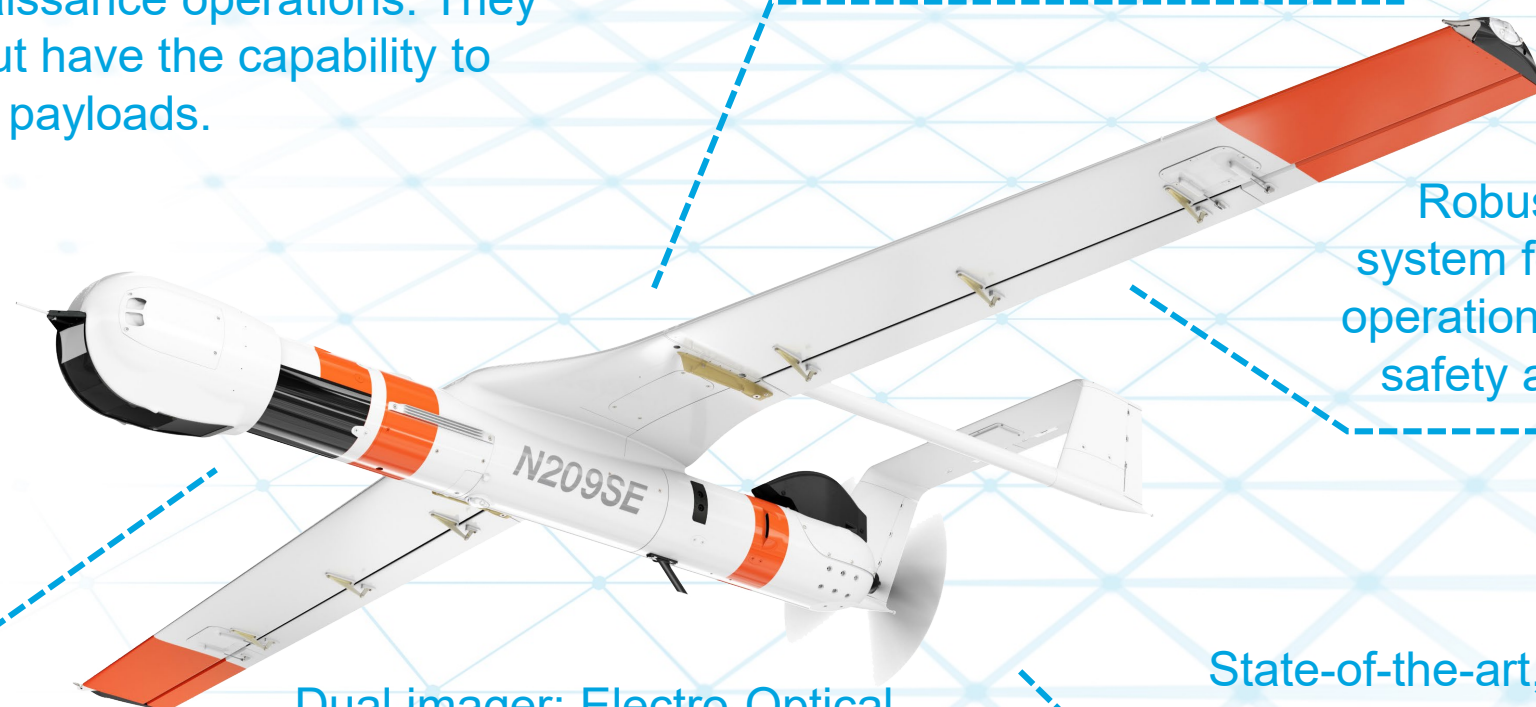
Visual Detection and Ranging (ViDAR): delivers wide-area maritime search and surveillance

Long endurance performance

Robust navigation system for enhanced operational capability, safety and reliability

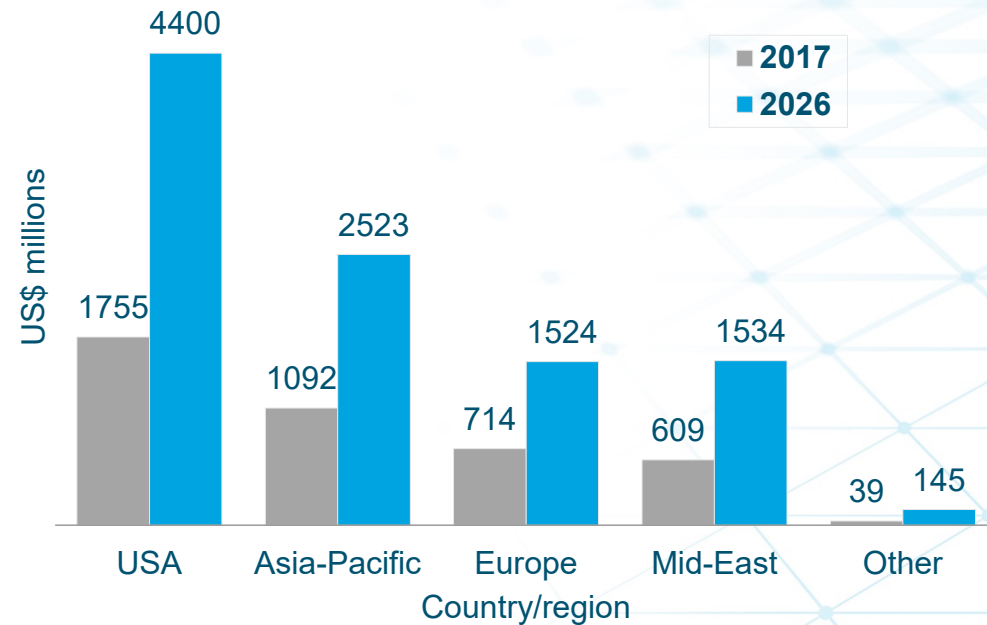
Dual imager: Electro-Optical (EO) and Midwave Infrared (MWIR) allowing for the use of one UAV day or night

State-of-the-art, modular propulsion system powered by heavy fuels

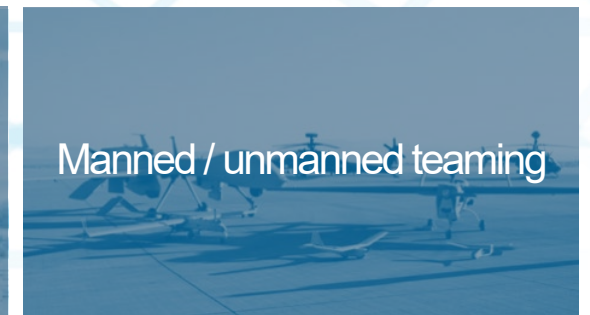


Global UAV defence outlook

UAV production by region*



Teal Group predicts worldwide military UAV production of \$80 billion over the next decade



Near term market opportunities



90% Market Share



Tactical UAV
A\$19.4Bn*

TEXTRON Systems



Our unique service offering



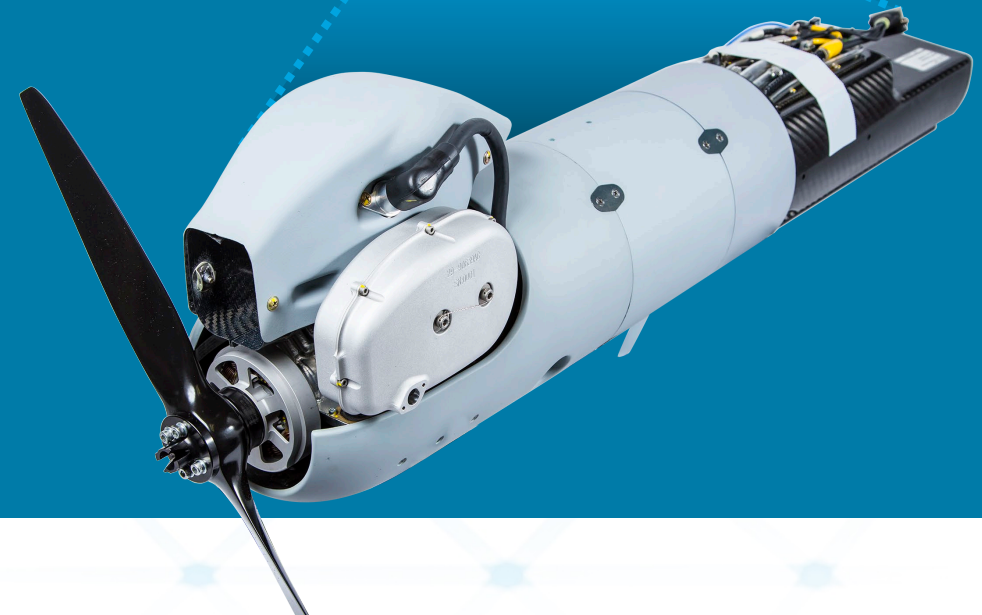
Tactical UAV



Image: ScanEagle3, courtesy Insitu Inc.

Fully assembled and mission ready propulsion systems

- Revolutionary fuel delivery and engine management components
- Proprietary combustion system
- Electronic Control Unit - Lightweight military specification
- Ultra lightweight fuel and oil tank system
- Specialised muffler minimises noise and temperature signatures
- Compact engine package - high power-to-weight ratio



Our product evolution



Experience and expertise

Mission ready response

Highly configurable, flexible solutions

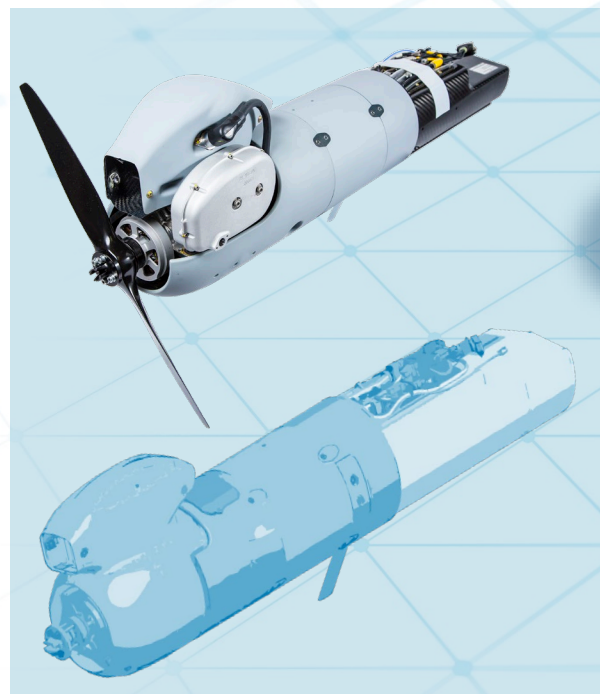
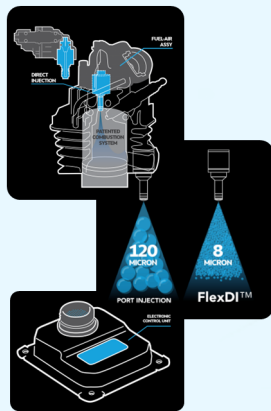
Supplier relationships

Heavy fuel 2-stroke IP and know-how

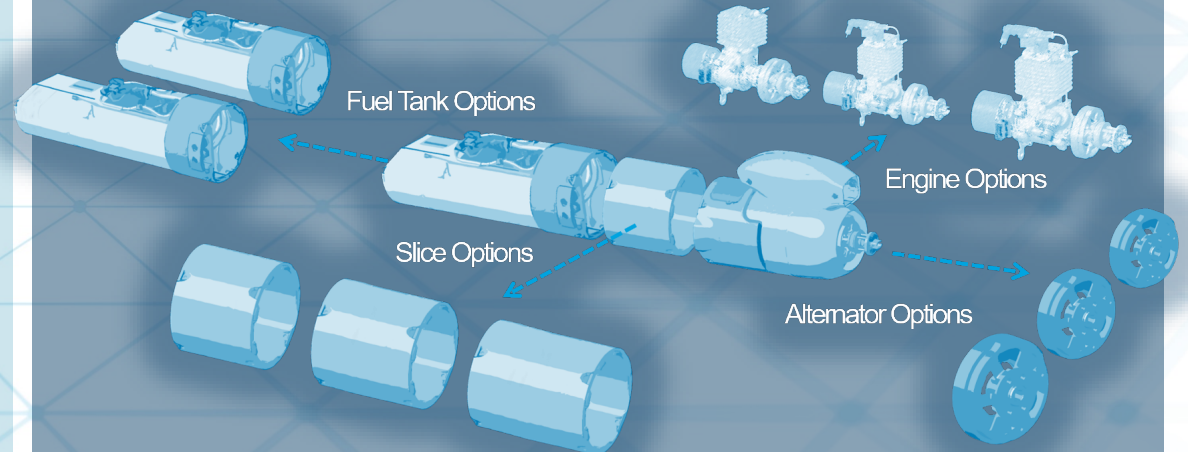


35 years
of experience developing innovative engine solutions

10 years
of experience as the global leader in spark ignited heavy fuel propulsion



The Modular Propulsion Solution (MPS)*



* Stylised for confidentiality reasons

\$350M contract driving production ramp-up

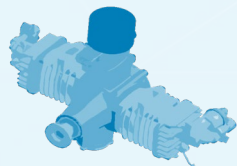
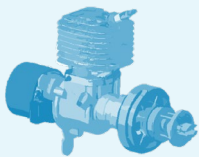
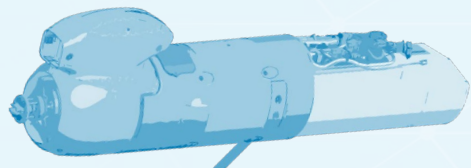
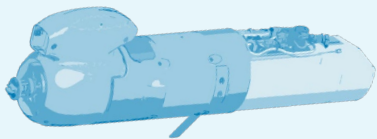


Long Term Agreement

5 years (from October 2018)

A\$120-350M

Five engines into production*



* Stylised for confidentiality reasons



Insitu's versatile and agile UAS family



ScanEagle®



ScanEagle2

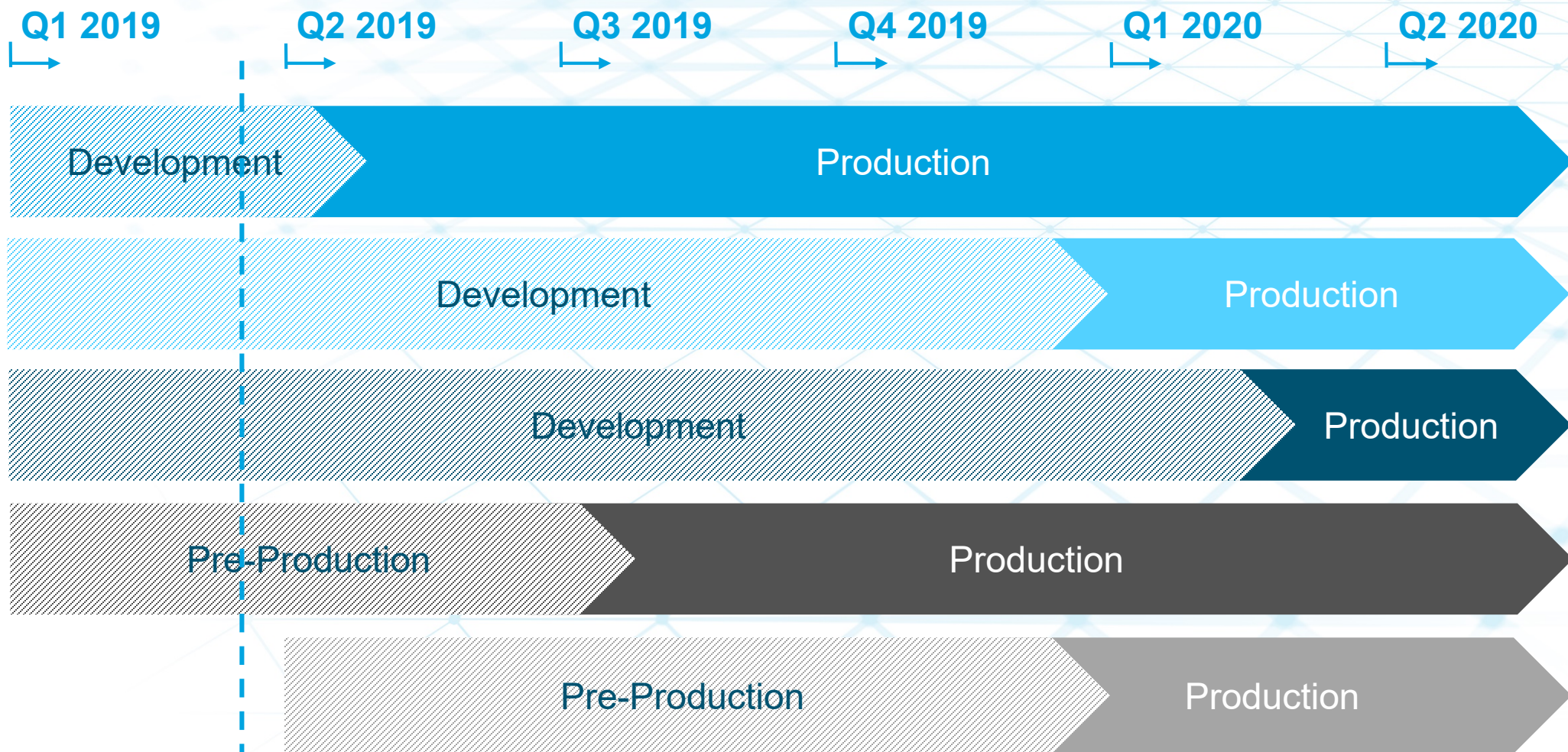


ScanEagle3



Integrator™

Engine development timelines



*All images stylised for confidentiality reasons

All programs currently on track to meet targeted production dates

Closing remarks



- Global UAV market demonstrates continued **demand and strong growth opportunities**.
- Delivery of targets within **Long Term Agreement** with Insitu Inc. remain Orbital UAV's strategic focus.
- Revolutionary **Modular Propulsion Solution** provides the key to delivery of all Insitu's engine requirements.
- **Engine development timelines** show all five engines under the Insitu LTA in production during FY20
- **First MPS engine** in production Q2 2019
- Positive balance sheet provides **financial stability** for required development work.

An international business servicing the global tactical UAV market

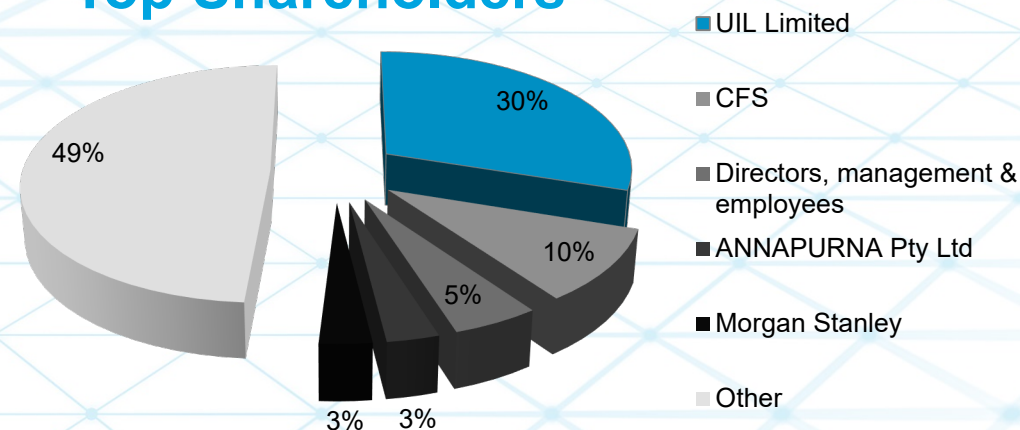


Corporate overview

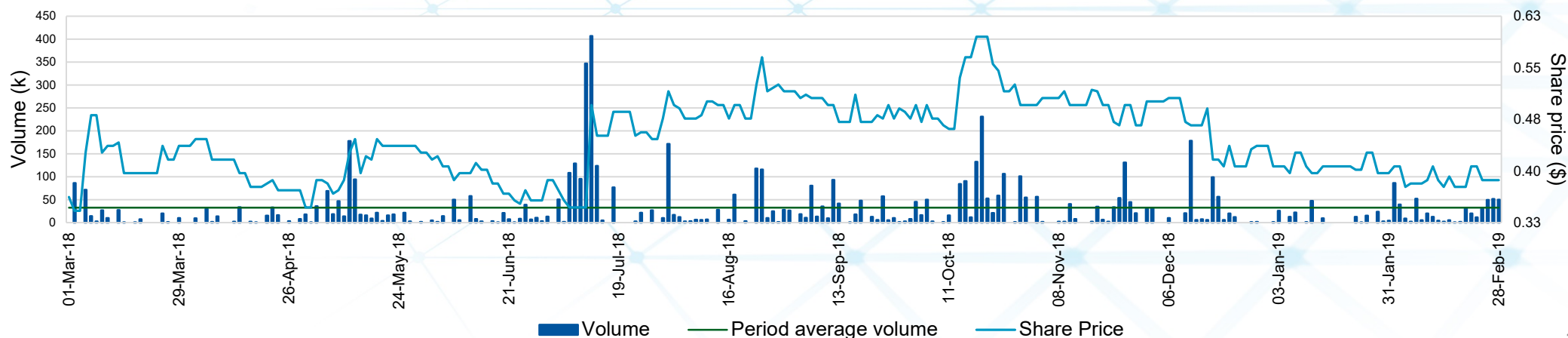


Capital Structure		
Share Price (28 Feb 19)	A\$	0.39
Fully Paid Ordinary Shares	M	77
Market Capitalisation	A\$m	30
Cash (31 Dec 18)	A\$m	10
Cash & Receivables (31 Dec 18)	A\$m	19
Debt (31 Dec 18)	A\$m	8
Net Assets (31 Dec 18)	A\$m	18
Revenue Guidance FY19	A\$m	20

Top Shareholders



Share Price & Volume



Board of Directors and Management



Board of Directors



John Welborn

Chairman
Non-Executive Director



Todd Alder

Chief Executive Officer
and Managing Director



Steve Gallagher

Non-Executive Director



Terry Stinson

Non-Executive Director



Kyle Abbott

Non-Executive Director

Management



Todd Alder

Chief Executive Officer &
Managing Director



Roulè Jones

Chief Financial Officer
& Company Secretary



Dr Geoff Cathcart

VP Chief Technical Officer



John Tubb

General Manager APD



Martin Johnston

General Manager
Operations



Liezl Ulrich

Organisational
Development Manager



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