

The Future of Satellite Servicing

Ryan Reel, MEng

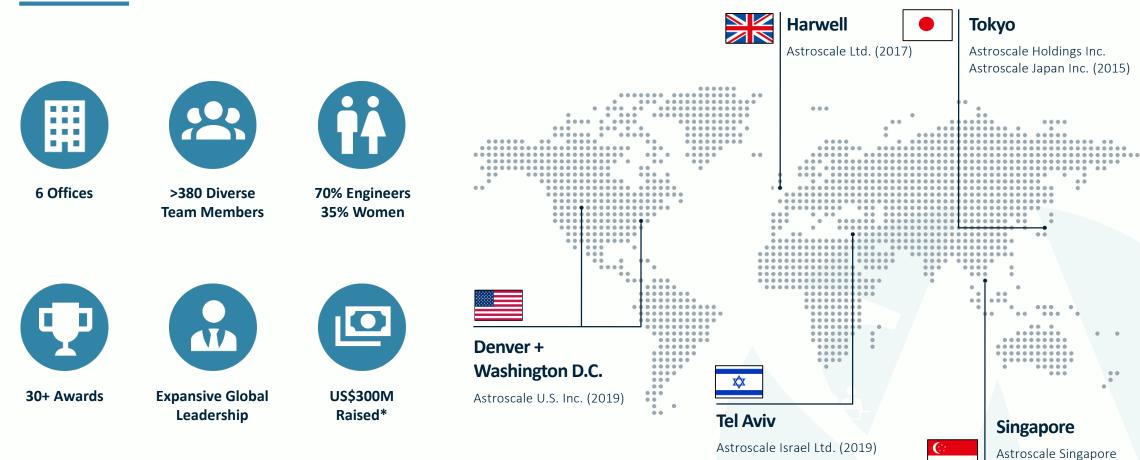
Director, Commercial GEO On-Orbit Services

FEBRUARY 2023



Global Company Solving a Global Problem



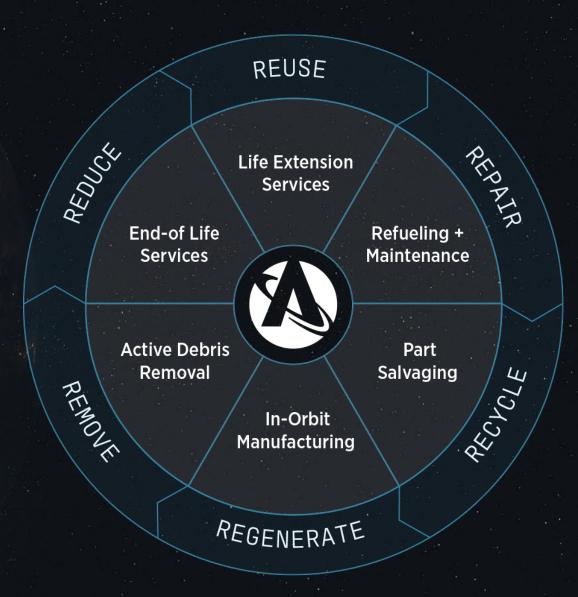


Pte. Ltd. (2013*)

^{*} Represents total amount of equity raised up to Series F, showing the amount as of September 2022.

^{*} Astroscale Singapore was founded in 2018. In 2019, Astroscale Singapore merged with Astroscale PTE. LTD., which was formed in 2013. Accordingly, 2013 is shown as the formation date of Astroscale Singapore.

Astroscale services unlock growth within a circular space economy



The Value of Satellite Servicing



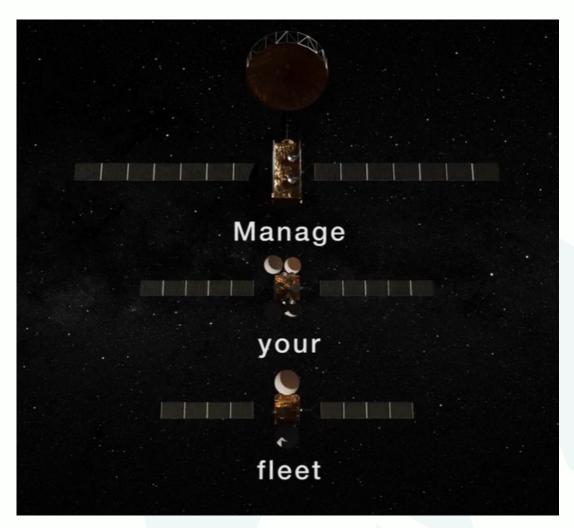
Satellite servicing enables a flexible and resilient approach to extending revenue and mission life for on-orbit space assets

PROBLEM

Space systems require large capital investment and face a finite lifespan

SOLUTION

Astroscale Satellite Servicing: Responsive and economical approach to extending asset life in diverse scenarios while minimizing risk



Astroscale Mission Set



Sample Servicer Timelines	2019	2020	2021	2022	2023	2024	2025	2026	
End of Life Services ELSA-d		Launc	h						(EOL) Self-funded, end-to-end mission and tech demonstrator
Active Debris Removal ADRAS-J					•				(ISSA) JAXA / Astroscale-developed PPP demo of in-orbit SSA
End of Life Services (Multi)									(EOL) ESA and UKSA funded mission to capture and de-orbit multiple LEO spacecraft
Life Extension Services (GEO) LEXI-P							•		(LEX) Self-funded development of life extension and related services in GEO
Active Debris Removal (UK)									(ADR/ISSA) UKSA funded de-orbit of two defunct UK spacecraft via robotic capture
Active Debris Removal ADRAS-J2					-				(ADR) JAXA funded removal of a large, defunct rocket body

Fleet Management



In a single mission, the refuellable LEXI spacecraft can perform multiple services for a variety of satellites



Flexibility for fleet capital expenditures optimization and utilization



Managed Station Keeping



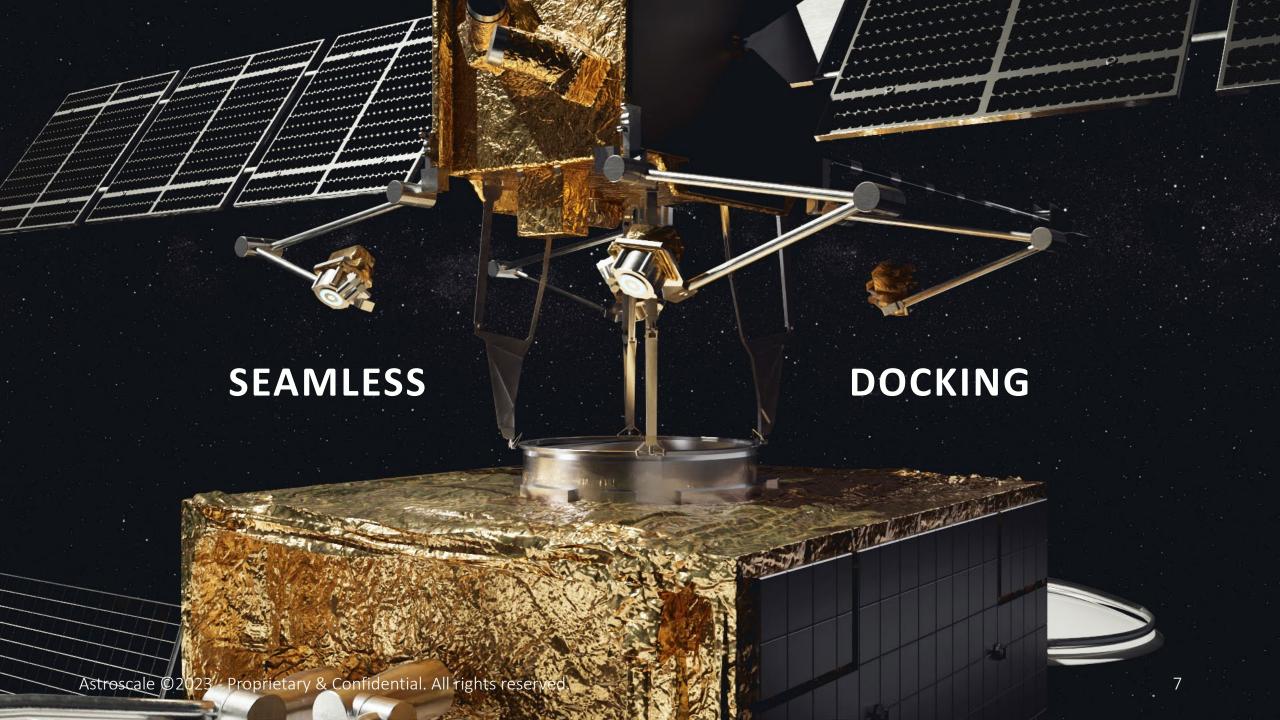
GEO Slot Relocation



Inclination Correction



Transfer to Graveyard



Astroscale provides orbital maneuvering and station keeping services

Operator maintains control over communications payload



Contact Us

Ryan Reel, MEng

Director, Commercial GEO On-Orbit Services r.reel@astroscale-us.com









