



# Astroscale CODER 2018

ASTROSCALE PTE. LTD.

Nov 2018



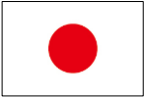
# Astroscale: An international company solving a global problem



Astroscale US  
(2018)



Astroscale UK  
(2017)



Astroscale Japan  
(2015)

Founded: May 4, 2013

Team: ~60

Capital: \$103M

Offices: Singapore – HQ, Finance, Legal  
Japan – R&D, Ground Station  
UK – Ground Control, Licensing, Insurance  
US – Policy, Business Development

Mission: Secure orbital sustainability and long term  
spaceflight safety for the benefit of future generations

Method: End of Life (EOL) services – “Don’t add any more debris”  
Active Debris Removal (ADR) – “Bring down debris already in orbit”

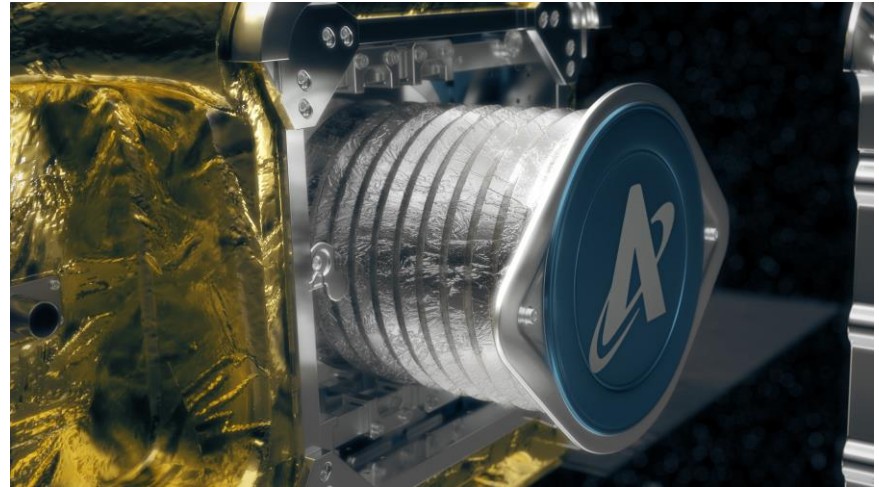
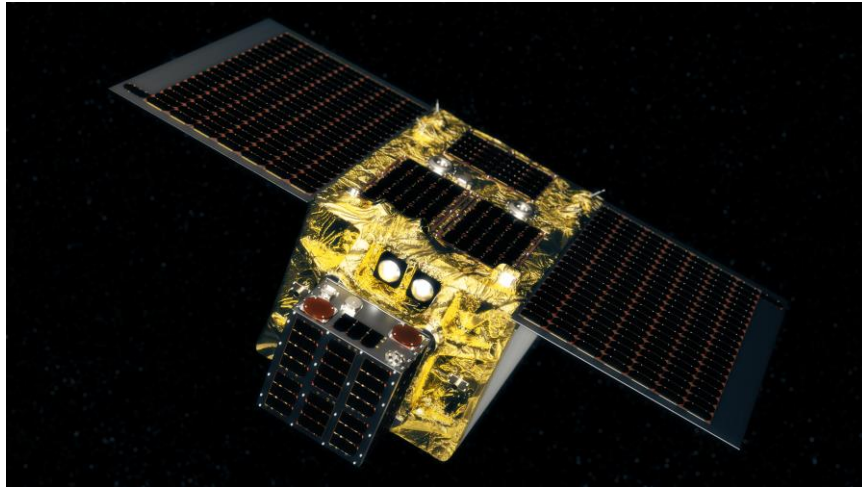
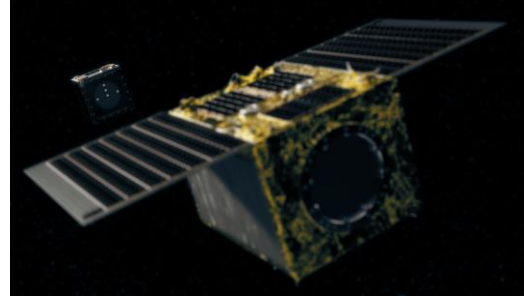


Astroscale Singapore  
(2013)

# End of Life Services by Astroscale-Demonstration (ELSA-d)



- Scheduled launch: Q1 2020 (Soyuz from Baikonur)
- World's first EOL demonstration proving end-to-end debris removal technologies.
- Servicer – optical sensing and capture mechanism
- Client – equipped with a rescue package
- Semi-co-operative magnetic capture





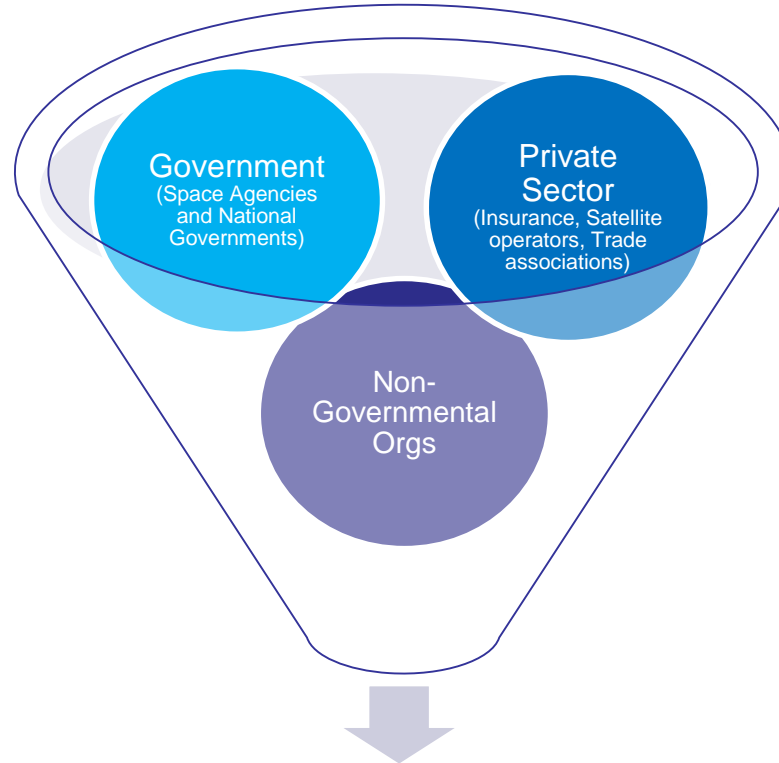
# Innovation



- Rendezvous and Docking
- Target search
- Fly-around inspection
- Docking Plate
- Magnetic capture
- Re-orbit, de-orbit, passivation
- Safety evaluations and passive safe trajectories
- Ground segment



# Non-technical Considerations



Best Practices for Orbital Sustainability



**ASTROSCALE**

---

For the Responsible Use of  
Space