ASTROSCALE PTE. LTD.
Nov 2018
Astroscale: An international company solving a global problem

- **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”
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

Government (Space Agencies and National Governments)

Private Sector (Insurance, Satellite operators, Trade associations)

Non-Governmental Orgs

Best Practices for Orbital Sustainability
ASTROSCALE
For the Responsible Use of Space