Precision Orbital Placement Services
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CURRENT PROBLEMS

1) Limited orbit and inclination options for small spacecraft
2) Long wait times and limited launch opportunities for small spacecraft
3) Currently too expensive to offer satellite servicing and orbital tug services for orbiting spacecraft

CURRENT SERVICING AND LAUNCH OPTIONS

1) Limited Inclinations
   Space Station
   Small-Sat Propulsion
   Limited Inclinations/Altitude
   Limited Fuel
   Limited Altitude/Payload
2) GEO Gov. Satellites Only
   Orbital/ATK
   Limited Inclinations
   Orbital Tug Services
   Limited Fuel
   Limited Altitude/Payload

OUR SOLUTIONS

1) Reusable vehicle providing precision orbital placement services for multiple small satellites per launch
2) Offer secondary orbital tug and satellite servicing capabilities with the same vehicle once in orbit
3) Use our precision orbital placement services to cover launch costs and scalability so we can offer the most affordable satellite servicing and tug services to industry

OUR SERVICES

- Multiple customers per mission
- Specific Inclinations
- Specific Orbits
- Reusable
- In-orbit resupply
- >10yr lifespan
- Altitude Boosting
- Inclination Changing
- Relocation
- Debris Mitigation
- Asteroid Mining
- Visual Inspection
- >10yr lifespan

History of Nano/Microsatellites Launched: 2000 - 2015 (1 - 50 kg)

- Continued popularity in the 1-10 kg mass range
- With over 40% average annual growth in attempted deliveries since 2012 the nanosatellite (1-10 kg) market continues to attract both government and commercial interest

Projections based on announced and future plans of developers and programs indicate as many as 3,000 nano/microsatellites will require a launch from 2016 through 2022