




## GEO Fleet Management & Optimization Services

As satellite operators face an increasingly competitive environment and evolving end-user demands, solving the challenge of optimizing asset & fleet utilization is more critical than ever. Yet the solutions in use today remain limited. Astroscale's LEXI™ – *Life Extension Services In-orbit* – is a robust and cost-effective solution that opens a range of new choices and enhanced flexibility for fleet management.

LEXI approaches and docks with a client spacecraft to undertake all maneuvering activities for the combined stack. Equipped with a state-of-the-art sensor suite for proximity operations & inspection and a reversible docking system designed for repeated missions, LEXI can support multiple spacecraft in a fleet. LEXI-1 launches in **2023**.



**LEXI Provides Novel Capabilities:**

- Δ **Life Extension:** station-keeping & attitude control
- Δ **Inclination Correction**
- Δ **Rescue** a satellite deployed to the wrong orbit or suffering an orbit-raising failure
- Δ **Inspect** satellite anomalies or damage
- Δ **Relocation** to a new GEO slot or to supersynchronous orbit

**...so that Operators can Enhance Fleet Management**

- Δ Unlock additional revenues of a fuel-depleted but otherwise functional asset
- Δ Delaying replacement satellite CAPEX and secure additional time for next gen technology to be included in replacement
- Δ **Delay replacement satellite design and procurement until market setting more certain (competitors, customers)**
- Δ Diagnose damage to inform response & mitigation plans
- Δ Rescue and operationalize a satellite to provide continuity of service & avoid loss of new business
- Δ Redeploy a satellite to explore greenfield markets at low risk & cost
- Δ Relocate a satellite for Bringing-Into-Use
- Δ Remove satellite to graveyard orbit, using fuel reserves to instead delay inclination and extend service provision

Tell us more about your missions and fleet support needs:  
sales@astroscale-us.com

+1 (833) 556-3126