



Life Extension In-Orbit (LEXI™) is the Astroscale Servicer designed to provide Life Extension and maneuvering services to Client satellites

What is Life Extension (LEX™)?

The extension of your satellite services via station keeping and pointing of the Client satellite by the LEXI Servicer.

Key Capabilities

Life Extension:

Station Keeping and Attitude Control

The LEXI Servicer uses four robotic arms to position electric thrusters for optimal station-keeping and momentum management of the joint stack, while ensuring no plume impingement on the Client. LEXI also provides full attitude control of the Client vehicle, ensuring accurate pointing of the payload for all services.

Relocation to Graveyard

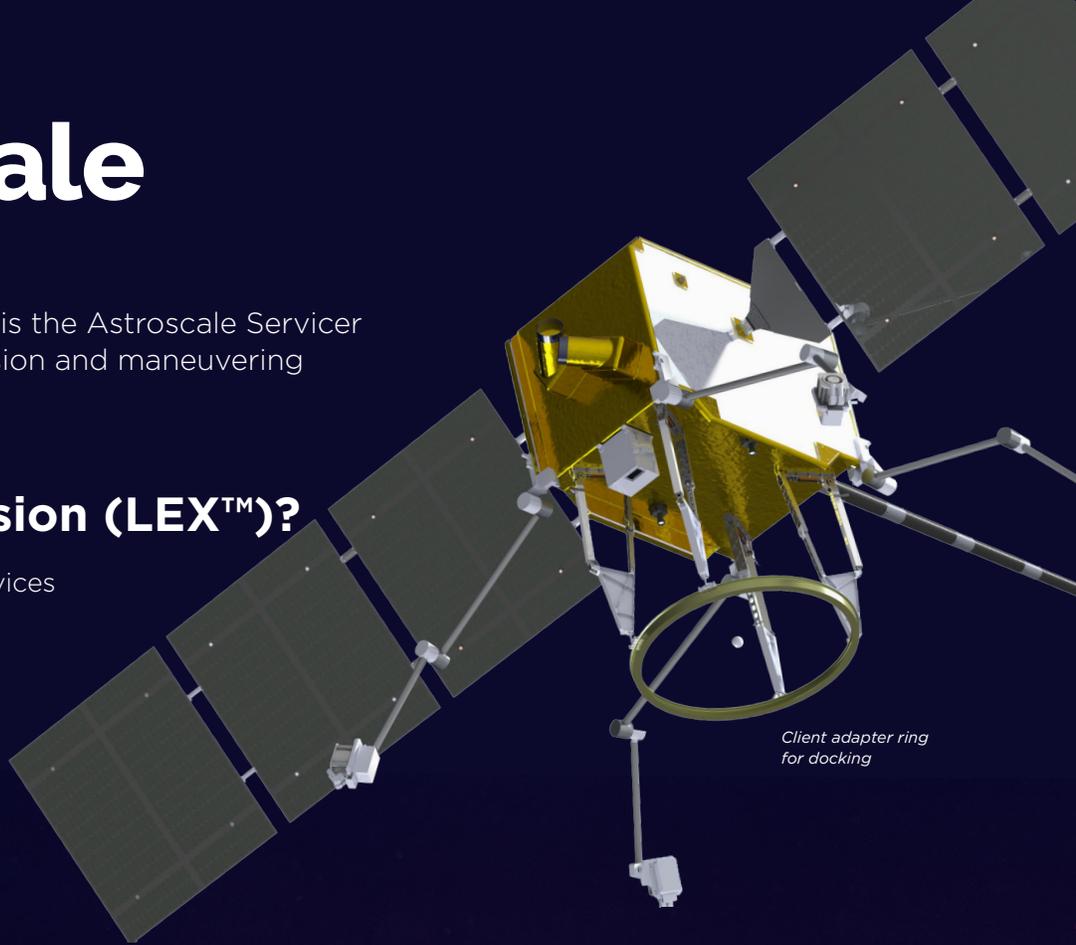
LEXI can transfer the Client satellite to the internationally agreed safe orbit at the end of its useful life.

Inclination Correction

LEXI can stabilize or reduce orbital inclination of Client satellites.

GEO Relocation

LEXI can relocate Clients to new GEO orbital slots, allowing service to new customers.



Client adapter ring for docking

Operator Benefits

Utility



Keep generating revenue & data

- For commercial satellites, use LEXI to get years of additional revenue & profit from assets that are still operational but have depleted their fuel.
- For civil satellites, maximize the use of taxpayer dollars by continuing to generate science data with these unique assets after fuel depletion.
- For national security assets, enhance resiliency by increasing the number of assets on orbit and closing capability gaps due to late deliveries.

Time



More of it when you need it

- Deferring CAPEX outlays on new assets lets you decrease working capital and apply resources to other priorities in the near term.
- Options provide flexibility in strategic decision-making connected to next generation technologies and the competitive landscape.
- New technology still in development or with little on-orbit heritage? Wait to order a satellite with that technology until it's ready and proven!

Spectrum



Hold your slot

- The orbital slot is the first variable that defines your success. Access to your geographical market depends on maintaining access to this slot.
- More than just holding your slot, it's about building and optimizing the filing you have as a company to maximize revenue generating potential.
- Use LEXI to demonstrate bringing into use (BIU) for a new slot, new frequencies, or to retain on-going access to a slot with a gap in operational use if your satellite is late to orbit or if you don't want to buy a replacement.



Tell us more about your mission & fleet support needs!

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Astroscale is the only company solely dedicated to on-orbit servicing across all orbits