— ACTIVE DEBRIS REMOVAL · LEO 500–800 KM

Clearing the orbits we all depend on. Built by operators.

Waypoint Dynamics is a U.S.-flagged active-debris-removal company building reusable solar-electric servicers that rendezvous with derelict satellites and rocket bodies, capture them, deorbit them — and recover for the next cycle. Our flagship concept design, Sparrow, is sized for the 500–800 km LEO regime where natural decay takes decades.

01 · PROBLEM

An accumulating liability — with a hard regulatory floor.

35,000+ tracked objects > 10 cm in LEO
U.S. Space Surveillance Network · 2026

~1M untracked fragments 1–10 cm
Disabling-class · too small to track reliably

5 yr FCC deorbit mandate (2024)
Replaces prior 25-year guideline · non-discretionary

15 km/s LEO closing velocities
Single collision triggers Kessler cascade risk

02 · MARKET

$2.31B by 2033.

ADR market: $143M (2025) → $2.31B (2033) · 41.6% CAGR. North America 41.2% share. On-orbit servicing TAM $4.67B → $5.1B (2030).

ADR MARKET — SAM

03 · SOLUTION · WPD-S/1

Sparrow.
A reusable wrangler for LEO.

CLASS: 12U-ESPA MICROSAT	WET MASS: ~32 kg
POWER · BOL: 430 W SOLAR	PROPULSION: Hall · 200W + FEEP
REGIME: 500–800 km LEO	TARGET: 1–50 kg PER OBJECT
I_SP: 1,390 s	RE-USE: ~10 cycles / LOAD

CONOPS · SINGLE CYCLE

01	02	03	04	05	06	07
RDV	PROX	CAPTURE	DE-TBL	BURN	EJECT	RECOV

CAPTURE · HYBRID ARCHITECTURE

Tethered net	RemoveDEBRIS, 2018	PRIMARY
Magnetic plate	Astroscale ELSA-d, 2021	SECONDARY
Drag-augment sail	NanoSail-D2 / LightSail	CONTINGENCY

04 · COMPETITIVE POSITION

Where Waypoint wins.

U.S.-flagged · operations-led
Astroscale (JP/UK) and ClearSpace (CH) face ITAR friction selling to U.S. DoD. We import Part 121 aviation discipline directly.

Unprepared-debris from mission 1
Most competitors optimize for cooperative targets. We build for the harder segment JAXA's CRD2 was designed to commission.

Multi-object refuelable bus
5 objects per $40M mission → ~$8M/object — a ~60% reduction vs single-shot architectures.

05 · GO-TO-MARKET

Three phases.

YR 1–2 TECH CREDIBILITY
SBIR I/II (~$2.3M). Two LOIs at $8–15M/object. SDA, Starlink, OneWeb, Iridium discovery.

YR 3–4 FIRST MISSION
TRL-7 demo. First commercial 5-object deorbit @ $75M. STRATFI follow-on. Fleet of three.

YR 5+ RECURRING SERVICE
3 missions/yr ($150M) + life-ext ($25M) + data ($5M). 50% GM. EBITDA $35M / 17.5%.

06 · TEAM

Operator-led. Deliberately so.

CEO & Founder — 48 yrs aviation (Director of Flight Ops, Chief Pilot, Director of Training). Master's in Space Operations (in progress). CTO · Open — Senior GNC/RPO engineer with flight heritage. Pre-condition for full seed close.

07 · THE ASK · SEED ROUND

Partner with us on the first 18–24 months.

Non-dilutive-led plan: SBIR runs in parallel with seed equity. The seed funds the engineering team, GNC testbed, capture breadboard, and the LOIs that gate Series A. Use of $3M: 4 engineering FTEs · RPO sim + ground demo · Phase II cost-share · regulatory · G&A · 6-mo reserve.

ROUND SIZE: [to be confirmed]	POST-MONEY VALUATION: [to be confirmed]
INSTRUMENT: [to be confirmed]	TARGET CLOSE: [to be confirmed]