

02 – OUR SOLUTION

- **AI-powered detection** across 20+ litter categories (25,000+ real-world images)
- **Four-legged locomotion** navigates grass, gravel, sand, boardwalk surfaces, and curb transitions
- **All-weather operation** — IP65 weatherproof with multi-shift capability (20+ hours/day)
- **Quiet operation** (<55 dB) suitable for residential parkland and harbourside promenades
- **Data integration** — litter heatmaps designed to feed into Sydney's CityConnect platform

03 — PILOT PROPOSAL — 6 UNITS, 6 MONTHS

KPI	TARGET
Litter items collected per unit/day	Tracked & reported weekly
Coverage per shift	2,000–4,000 m²/hr per unit
System uptime in coastal conditions	>90%
Terrain types navigated	Grass, gravel, sand, boardwalk, paved, curbs
Cleanliness score improvement	Pre/post measurement in pilot zones

1.5-2.5 FTE OFFSET PER UNIT
40-60% COST REDUCTION AT SCALE
RaaS ROBOT-AS-A-SERVICE MODEL
Zero HARDWARE OWNERSHIP REQUIRED

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