

01 — THE CHALLENGE

Walt Disney World welcomes 58 million+ visitors annually across four theme parks, two water parks, and 25+ resort hotels — generating continuous litter across pathways, plazas, queue areas, and resort grounds. Disney's zero-waste-to-landfill by 2030 goal requires closing a 32-percentage-point gap (from 58% to 90% diversion), and every piece of litter collected before it reaches a bin is data that informs source reduction. With \$60 billion committed in capital investment over the next decade and BDx droids set to debut in 2026, Disney is already investing in free-roaming autonomous robots. The missing piece is a robot that works, not performs — one that keeps outdoor spaces clean around the clock.

02 — OUR SOLUTION

CleanWalker is the world's first commercial quadrupedal litter-collecting robot — engineered for large-scale outdoor environments where guest experience is paramount:

- **AI-powered detection** across 20+ litter categories (25,000+ real-world images)
  - **Four-legged locomotion** navigates grass, gravel, mulch, paved walkways, and curb transitions
  - **Florida climate tolerance** with multi-shift capability (20+ hours/day)
  - **Silent operation** (<55 dB) suitable for resort grounds and guest pathways
  - **Waste composition data** for real-time litter analytics supporting the 2030 zero-waste goal
- Collected waste is sorted and bagged for existing Disney waste collection routes — no new infrastructure required.

03 — PILOT PROPOSAL — 10 UNITS, 6 MONTHS

**Deployment zones:** Disney Springs outdoor areas, one resort hotel grounds (e.g., Coronado Springs), and Animal Kingdom Lodge pathways

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 Florida conditions	>90%
Waste diversion contribution	Litter-to-type data for source reduction
Guest perception	Survey baseline + post-pilot sentiment

04 — VALUE PROPOSITION

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

Disney has a unique relationship with robots — guests expect them. A CleanWalker unit quietly collecting litter along resort pathways is not just an operations tool; it is a character. The quadrupedal form factor, purposeful movement, and visible environmental mission create a natural guest interaction moment. With BDx droids proving that free-roaming robots enhance the guest experience, CleanWalker extends that philosophy from entertainment environments to environmental stewardship. A successful pilot at Disney becomes the most powerful case study in autonomous cleaning — bar none.

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