



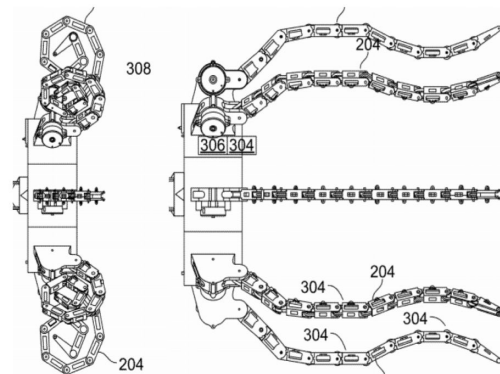
REACCH

KALL MORRIS INC

Target-Agnostic RaaS Capabilities for ISAM SAML, NatSec and Commercial Space

REACCH is KMI's licensed grapple end-effector payload that has been internally matured for use on legacy, next-gen, adversarial, or otherwise unprepared objects in LEO. It uses a combination of segmented, rigid-linked tentacles and mechanical gecko adhesion for a controllable, directional, reversible grip capable of adhering to a target without residue or damage. We provide flexible mission design to support the logistics of Relocation as a Service (RaaS) and ensure proper End of Life (EoL) deorbit to maximize potential client operations on-orbit.

Following original DARPA-funded development by NASA JPL and ISSNL, REACCH has been validated via testing aboard the ISS. REACCH demonstrated **the first capture of an unprepared object in microgravity by a commercial entity**.



US Patent: 11,661,217

Capabilities

- **Universal:** can attach to numerous materials and geometries
 - Materials analysis performed aboard the ISS
- **Reversible:** can easily detach or re-attach at will
- **Damage-Free:** leaves behind no residue or damage

Mission Areas

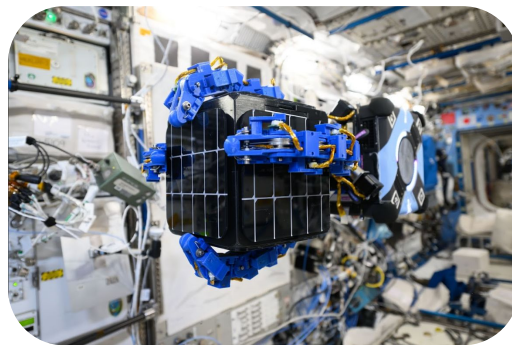
- **OTV/RaaS:** Universal attachment for orbital transfer or repositioning
- **Deorbit/EoL:** Ensuring regulatory compliance and orbital safety
- **ISAM:** Grappling for repair/recycle or CLD logistics
- **Defense:** Agnostic target acquisition and secure capture of unprepared assets

Technical Specs

- **Initial Integration:** KMI Laelaps MK01
- **Number of Tentacles:** 8
- **Docking Minimum:** >10cm, ~1U cubesat
- **Ground Captures:** 1,000+
- **On-Orbit Captures:** 172
- **Required Docking Hardware:** None

Contact KMI for full Astrobee-REACCH Demo Report & Findings

ISS Demo of
REACCH
Pre-Capture



ISS Demo of
REACCH
Post-Capture

Development Timeline

2022

2023

2024

2025

2026

2027+

TRL 1 - 5

TRL 5 - 7

TRL 7 - 9

Ph I & II: End-Effector
Development



ISS
Demonstration



Future
Development



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