



2022: Winning and Waiting

“Progress takes work, and work takes time,” an expression that rings true for KMI since our last update. We are happy to share our success, our appreciation, and some insight on still-developing opportunities: the most consuming of which is the recent SpaceWERX Orbital Prime proposals (see below for more info). If it’s been a while since we’ve connected, we’d love to hear from you as well. In any case, KMI thanks you for joining us in our mission of #KeepingSpaceClearForAll

Growth:

- ◇ KMI will be assisting on a [NASA SBIR Phase II](#) led by CisLunar Industries
- ◇ KMI successfully closed our pre-seed investment round last summer with institutional investors, aerospace experts, and private supporters, expanding our team and capabilities. The new team members serve as [Communications Coordinator](#), [Software Developer](#), and [Electrical Engineer](#).
- ◇ KMI anticipates new hires upon the awarding of Orbital Prime and other proposals. Early candidates have already reached out through www.kallmorris.com/contact
- ◇ KMI Columns and other news continue to be collected at www.kallmorris.com/news
- ◇ KMI released a [ConOps video](#) of the Laelaps spacecraft, created with La Dolce Video and Design in Marquette, available through the KMI YouTube channel.

Submissions:

- ◇ Accepted and invited for a full proposal to the [NLRA 2022-5](#): Technology Advancement and Applied Research Leveraging the ISS National Lab with the Center for the Advancement of Science in Space (CASIS)
- ◇ [SBIR 21-5628](#) SP6. On-Orbit Technologies with National Science Foundation (NSF)
- ◇ SpaceWERX [Orbital Prime](#) with United States Space Force (USSF)
 - Adhering Arms Architecture for Unprepared Surface Capture
 - Comprehensive RSO Salvage with Megaconstellation Repurposing
 - Permanent Attachment of Supplementary Module to RSO Analysis
 - RSO Collection and Processing Station Optimization Analysis
 - RSO Detumbling via Persistent Techniques Analysis
 - Enable Docking for Unrecognized Objects via TumbleEye
- ◇ Orbital Transports SmallSats Contest and Hyperspace Challenge
- ◇ NASA iTech Whitepaper and numerous agency/department RFIs



SPACEWERX



HYPERSPACE
CHALLENGE





Collaborations:

- ◇ Continued collaboration with academia and researchers on upcoming work involves partnerships with NASA, Draper Laboratories, MIT, Stanford University, Elmhurst University, Texas State University, University of Utah, University of Southern California, University of Michigan, Michigan Tech, and our alma mater NMU.
- ◇ Industry engagement with MOUs, LOIs, and similar support continued as well, from partners including CisLunar Industries, Nanoracks, ThinkOrbital, Light Steering Technologies, Orbion Space Technology, Opterus R&D, Obruta Space Solutions, Rogue Space Systems, Inversion Space, iBOSS GmbH, geCKo Materials, Black Moon Space Technology, Ortum Stellar Eo, NanoAvionics, ATLAS Space Operations, PlaneWave Instruments, Riis Technology, and more.

Conferences & Events:

August 2021

- ◇ [ISS R&D Conference 2021](#) for networking with industry on ISS research
- ◇ [North American Space Summit \(NASS\) Panel](#) “Highways in Space”

September 2021

- ◇ [CONFERS Global Satellite Servicing Forum](#)

October 2021

- ◇ [UnDemo Day Event](#) invitation to present KMI pitch deck
- ◇ [Astrobee Working Group](#) presentation of “Payload Demonstration of REACCH: Electrostatic/Gecko Adhesion Soft-Capture End Effector”
- ◇ [NASA OSAM Workshop Invited Industry Technology Talks](#) presentation of “Electrostatic/Gecko Adhesion and AI/ML Algorithm for Uncontrolled Object Capture”

November 2021

- ◇ [Early-Stage Companies Hotlist Top 50](#) by Renaissance Venture Capital
- ◇ Winner of the [Center on Rural Innovation Virtual Pitch Event](#)
 - ◇ Featured on [Innovate Marquette SmartZone](#), [TV6](#), [The Mining Journal](#)
- ◇ [Mecosta-Osceola Career Center Education Outreach](#) presentation to interested students in Michigan manufacturing classes

December 2021

- ◇ [ABC 10 Interview featuring Adam Kall](#) discussing KMI and the mission

January 2022

- ◇ [Future In-Space Operations \(FISO\) Telecon Presentation](#) by invitation for discussing about KMI, our mission, and technology with the industry
- ◇ [OSTP Request for Comment and Listening Session](#) participation in multiple sessions with the Office of Science and Technology Policy

February 2022

- ◇ [A2 NewTech Meetup](#) pitch event for Michigan technology entrepreneurs
- ◇ [Center for Space Commerce and Finance Conversations for the Future](#) international pitch event for the NewSpace Business Plan competition

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