

CIVIL ENGINEERING AND CONSTRUCTION ON THE MOON AND MARS

MDA - Robotics & Space Operations

May 2023

| **Seamus Tuohy**
Sr. Director New Business
seamus.tuohy@mda.space
Cell: 1-857-293-3303

RESTRICTION ON USE, PUBLICATION DISCLOSURE OF PROPRIETARY INFORMATION AND IMAGES

This document contains information proprietary to MacDonald, Dettwiler and Associates Inc. (MDA) to its subsidiaries, affiliates or to a third party to whom MDA may have a legal obligation to protect such information from unauthorized transfer, export, use, reproduction, or duplication. Any disclosure, transfer, export, use, reproduction, or duplication of this document, or of any of the information or images herein, other than for the specific purpose for which it was disclosed is expressly prohibited, except as MDA expressly agrees to in writing.

COPYRIGHT © 2022 MacDonald, Dettwiler and Associates Inc. (MDA), subject to General Acknowledgements for the third parties whose images have been used in permissible forms. All rights reserved.



MDA Modular Mobility Platform

Logistics (delivery/relocation of infrastructure/ hardware)





Moon to Mars

Key Surface Infrastructure and Operations

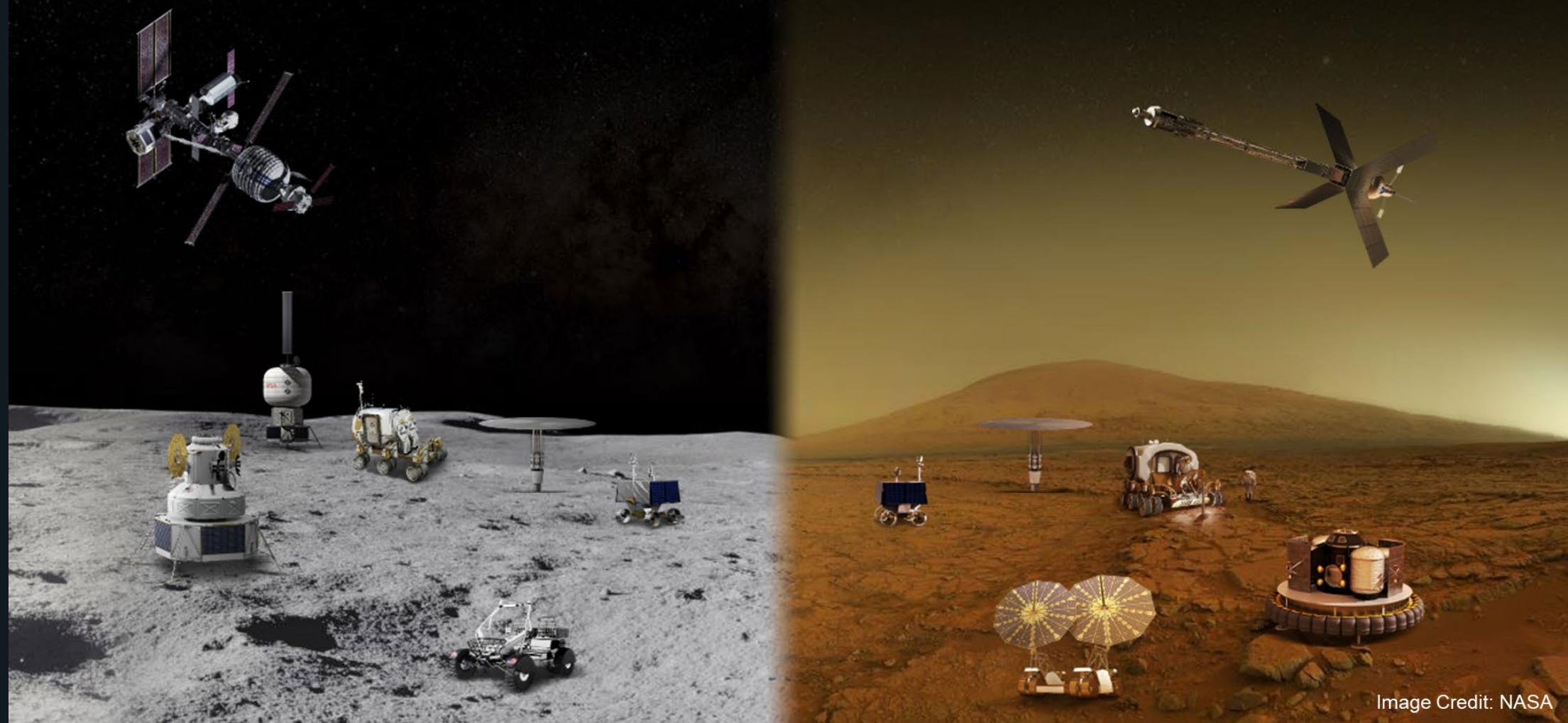


Image Credit: NASA



Challenges to go from Tools to infrastructure (and... Moon to Mars)

- Evolving from and building on...
 - Real-time (in-situ) to near-real time (moon) time to remote (Mars)
 - Human-in-the-loop to Human-on-the-loop to autonomous
 - Brought from Earth (mission oriented) to in-situ resource utilization (sustainable logistics)
 - Mission(s) to Sustainable Presence

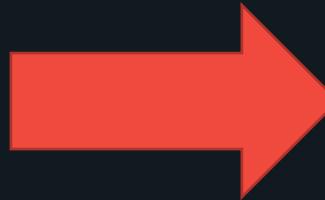
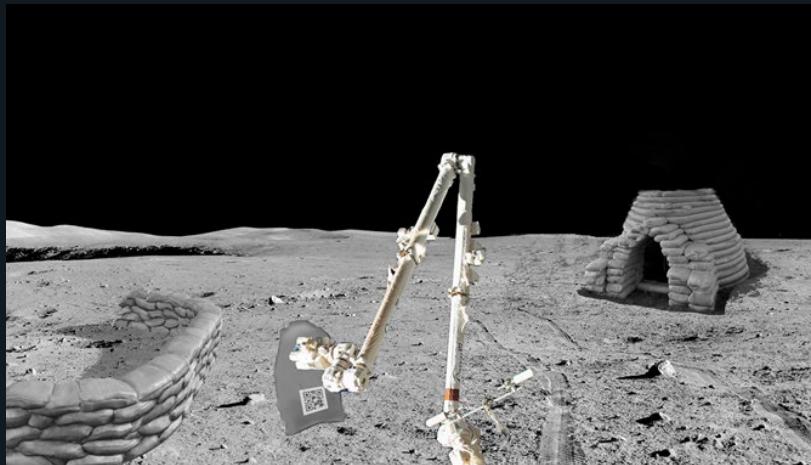


Image: NASA

THANK YOU

CONTACT INFO:

Seamus Tuohy

Sr. Director, New Business

seamus.tuohy@MDA.SPACE

