

CIVIL ENGINEERING AND CONSTRUCTION ON THE MOON AND MARS

MDA - Robotics & Space Operations

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MDA Modular Mobility Platform

Logistics (delivery/relocation of infrastructure/ hardware)





Moon to Mars

Key Surface Infrastructure and Operations

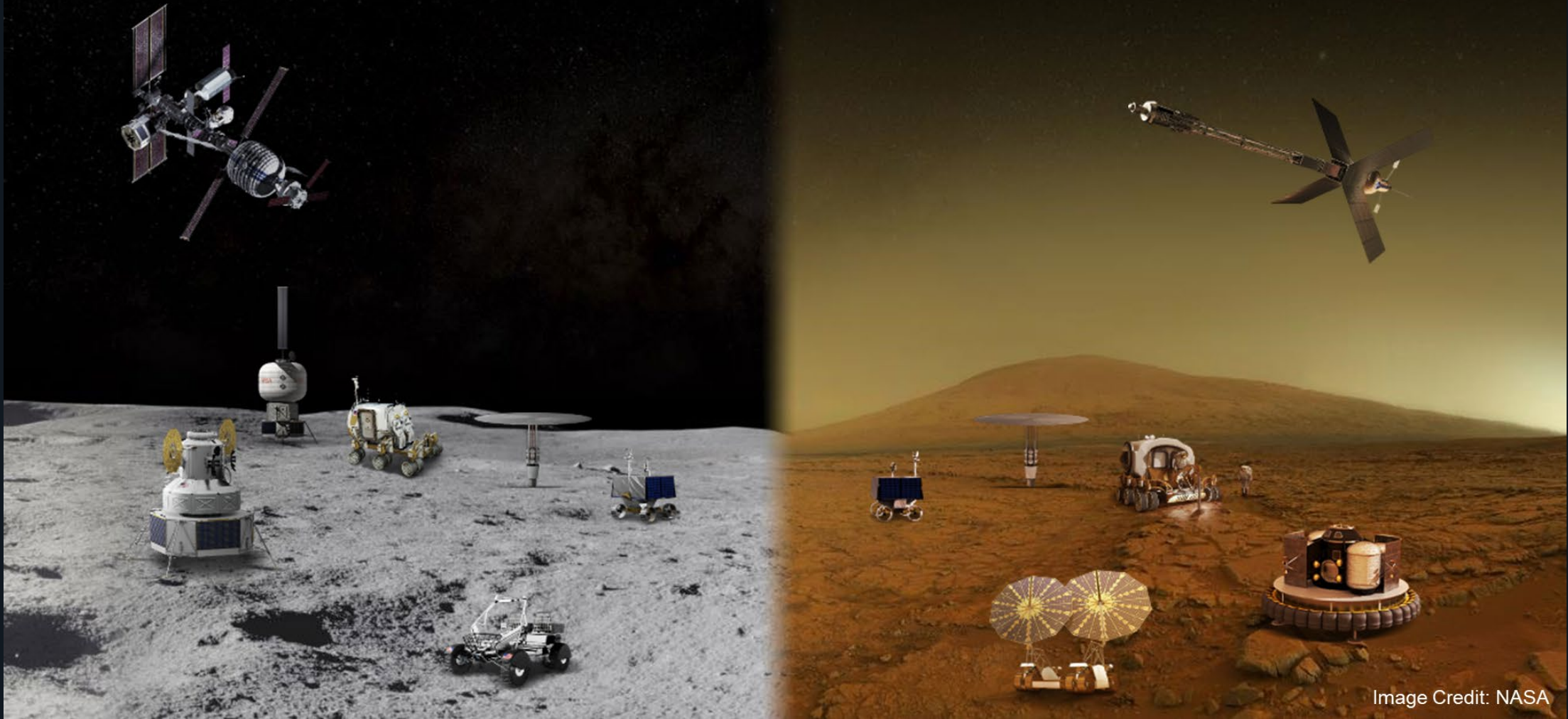


Image Credit: NASA



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

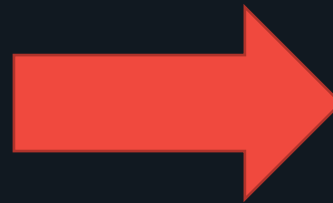
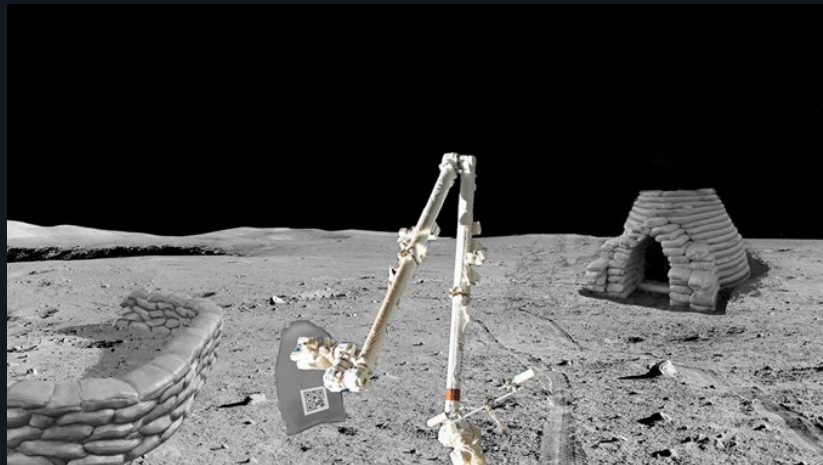


Image: NASA

THANK YOU

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