

Mars Construction, LLC

Title: Helicopter & Drone Design (Phase I in progress)

File: DES-Projects-030

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Rev: A

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Design Variables need to be defined:

Helicopter for use on Lunar base and Mars surfaces.

Mars Helicopter (NASA) – ([video1](#)), high rpm because of low Mars atmosphere,

Rover exploration of planet for sciences to data gathered on board like MOXIE Mars Oxygen (IRSU) Experiment pulling carbon dioxide from atmosphere and splitting out oxygen. Calibration electronics of Sherlock experiments on Rover for Sensors and calibration targeting.

Design Specifications:

Types of Payload:

Height:

Length:

Volume:

www.youtube.com

[Perseverance Rover, \(Ingenuity Helicopter\) – propellant used from](#)

[NASA's Mars Helicopter, Ingenuity \(UHD Trailer\)](#)

[Testing the Mars Helicopter Delivery System](#)