

Project proposal

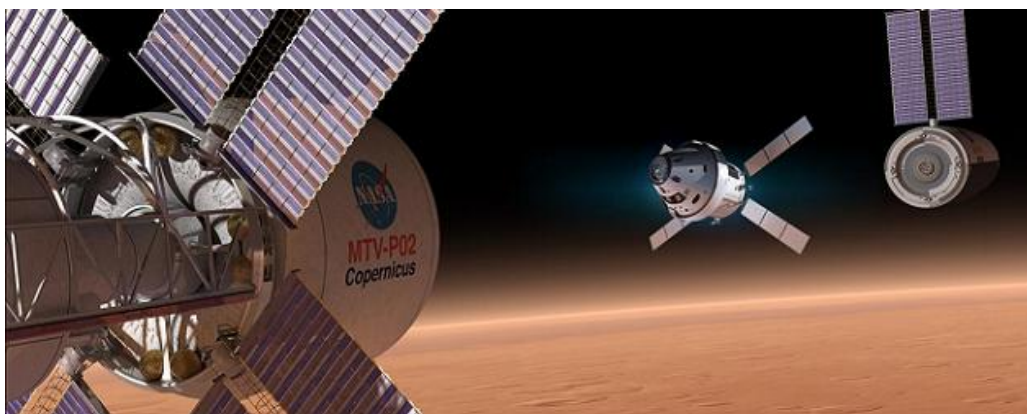
Title: Lunar and Polar mission concept design
Supervisor: eSpace
Timeframe: Spring 2021

Project description

EPFL Xplore is an interdisciplinary project which aim is to build a Rover for the European Rover Challenge. Even though we are all busy designing and manufacturing our Rover this year, it is important to look ahead and plan for the future.

Problematic

The goal of this project is to imagine and design the concept of operations of a polar and lunar mission for our Rover. This includes timeline, operation scenarios, specific requirements that the Rover has to meet in lunar and polar environment, risk analysis, etc. The end result should be a complete study to show the feasibility (or not) of such missions and what criteria have to be met in order to achieve them. The study will be used for the actual (polar or lunar) mission if we decide to do so.



Contact

jonthan.wei@epfl.ch