



Design out the box



Mars Space Vehicle

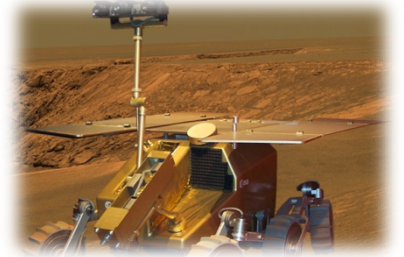
Context

The journey to Mars will be humanity's most epic and ambitious journey ever taken, along with the creation of a self-sustainable civilization which will officially classify our species as interplanetary. The business and scientific possibilities of Mars are endless, with new things out there waiting to be discovered, innovations to be applied back on Earth to make our lives just a bit more convenient.

Design Task

Working as a specialised engineer on behalf of NASA (North American Space Agency) you have been asked to design and produce a prototype for a new Mars vehicle that can be used in future exploration missions.

The vehicle needs to be based around a solar powered drive system, mounted onto a lightweight chassis. It should be robust enough to travel along rough ground and through dust storms and rough terrain. It must also house Astronauts for long periods of time away from the main base comfortably when travelling on missions. Space will be essential so clever use of space saving design will be essential.





Mars Space Vehicle

Exterior design and functions



Mars Space Vehicle

Interior design and functions