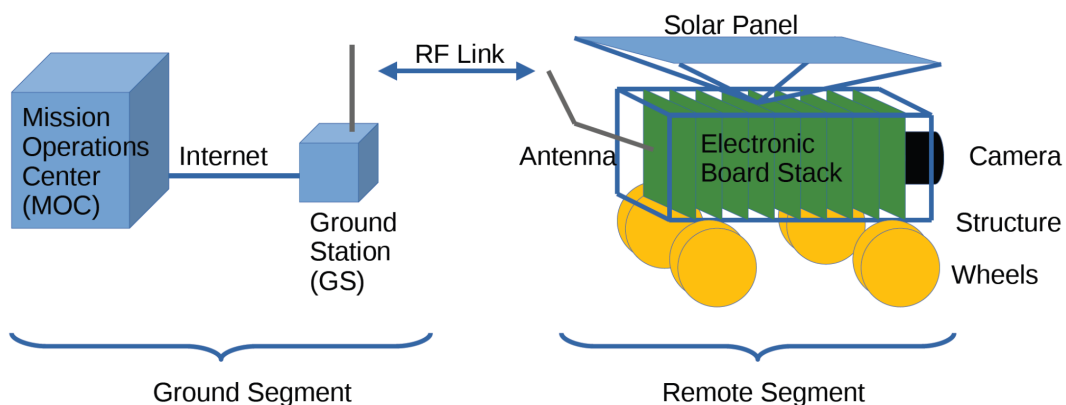


Source: [How to build an autonomous rover - drive.tech](#)

- important features: camera, software for human interaction, security systems (collision detection (distance sensor), error transmission (wireless) and energy reduction when being low on battery (solar cells))
- Raspberry Pi 3 → microcontroller; good proportion of computing power und power draw
- need long-lasting and precise motors, to provide a precise and reliable control
- maxon DC motors → will be used where precision and torque is needed (the tire drives and the “camera tower”, where cameras and sensors will be located)

Source: [Rover - LibreCube Documentation](#)

- objective: develop an autonomous rover that can be easily adapted for various applications (ex: disaster relief support, Moon exploration missions, etc.)
- designed using space communication protocols and space engineering practices
- baseline model scenario:



- most of the functionality is implemented by electronic board stack; closer view:

