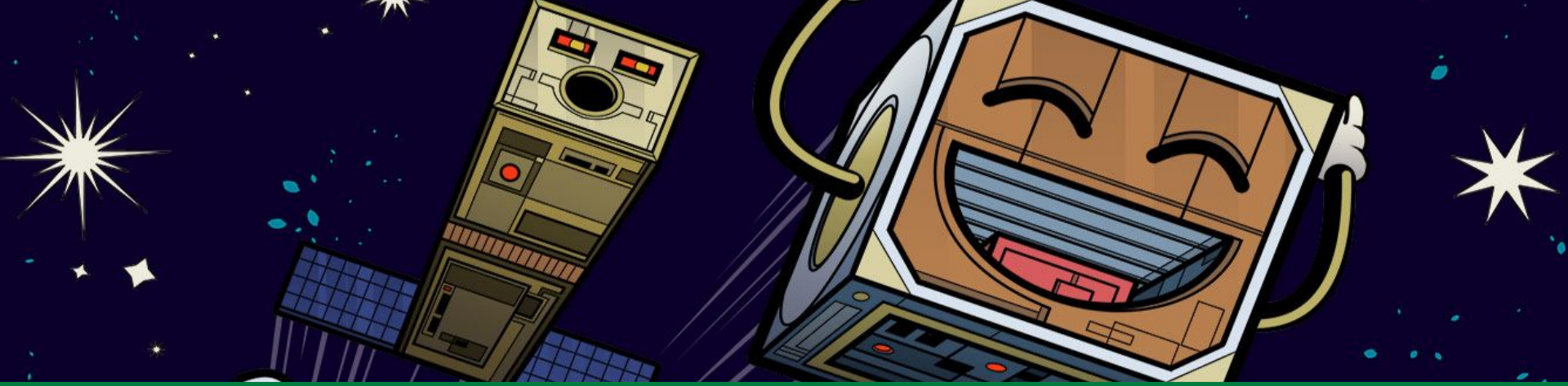


AlbertaSat





CubeSat Blueprint with AlbertaSat

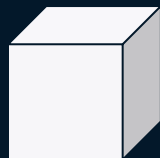


We are a student group who builds satellites

Ex-Altá 1



Cube satellites



1U



3U



Bread

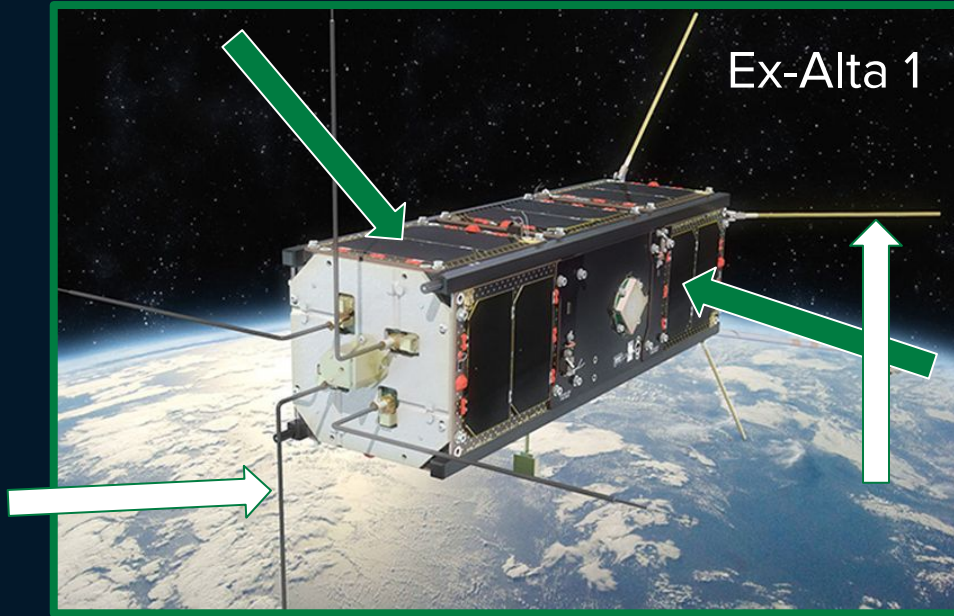
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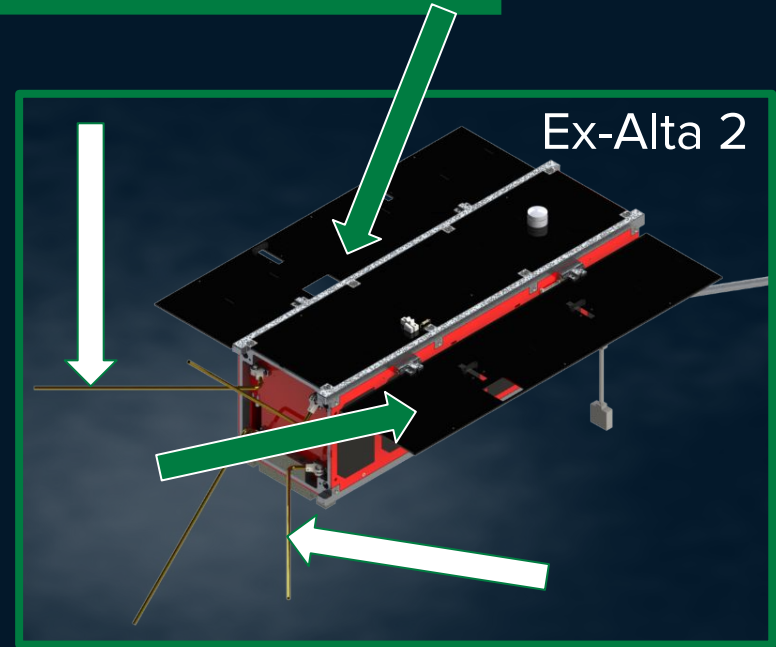
12U



Satellites need power and communication



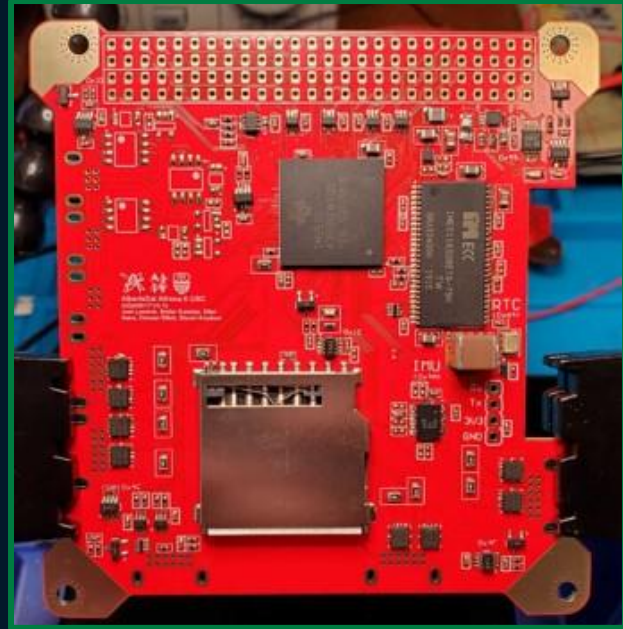
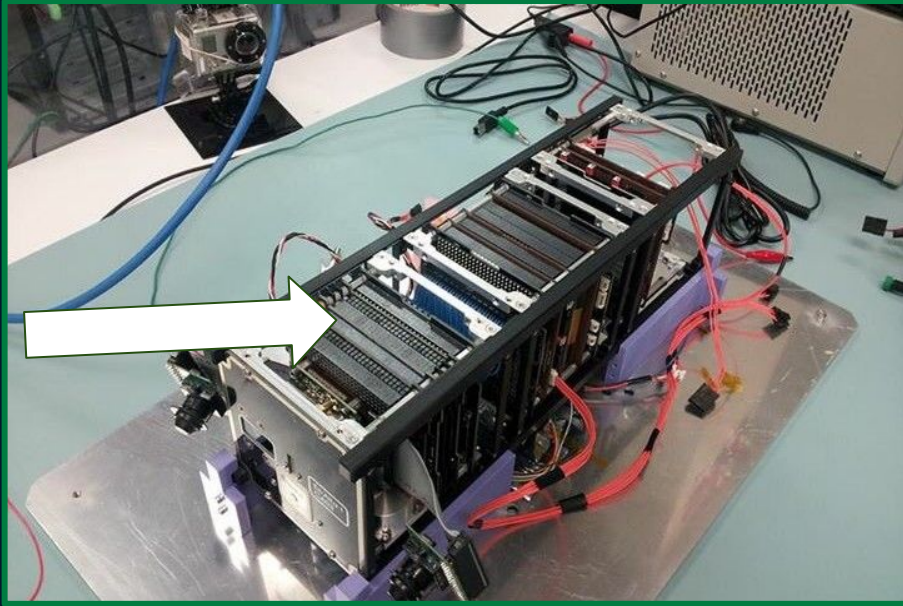
What are these? **SOLAR PANELS**



What are these? **ANTENNAS**



The Motherboard

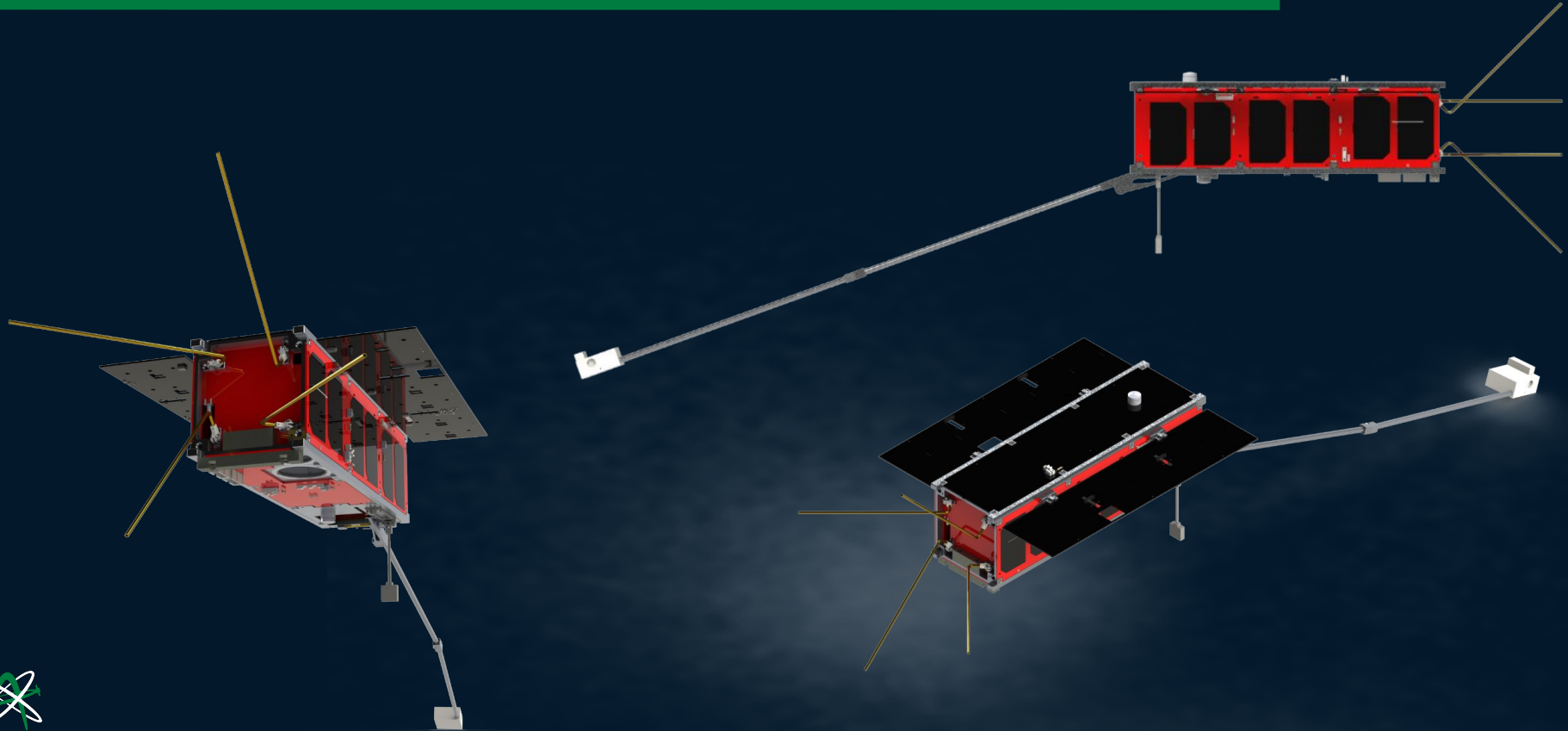


Inside the satellite we have the **computer**



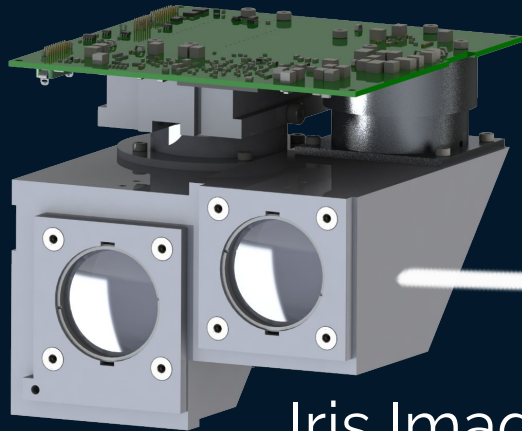


Ex-Altas 2: The wildfire satellite

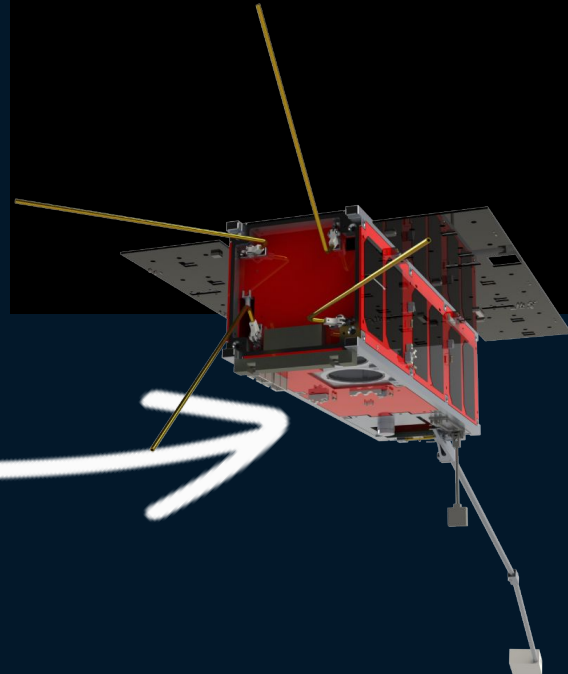


Payload

The science experiment

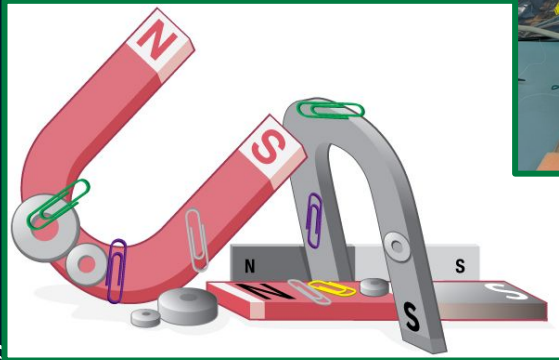
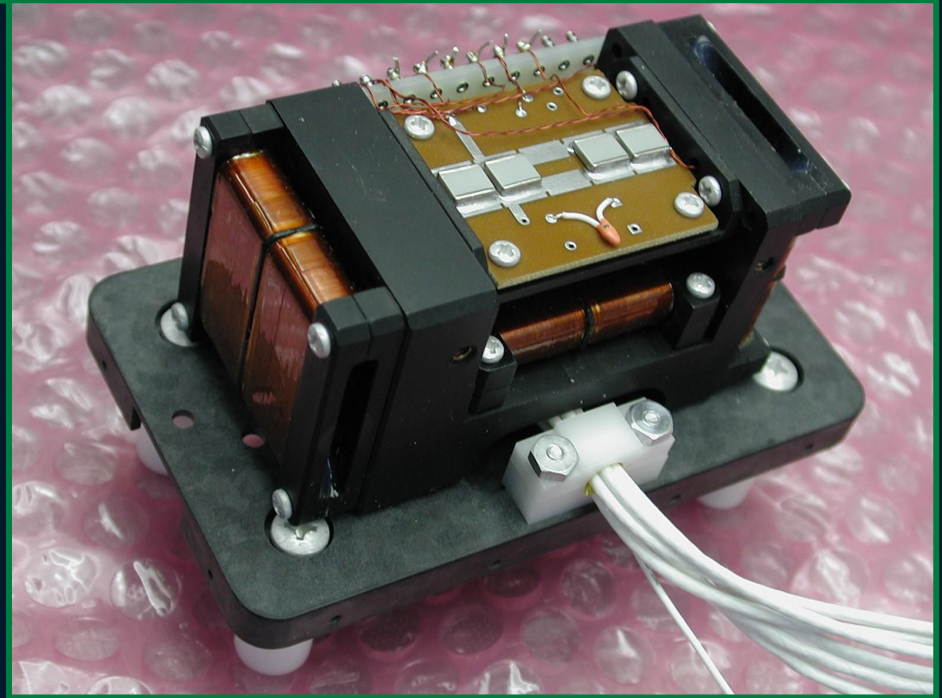
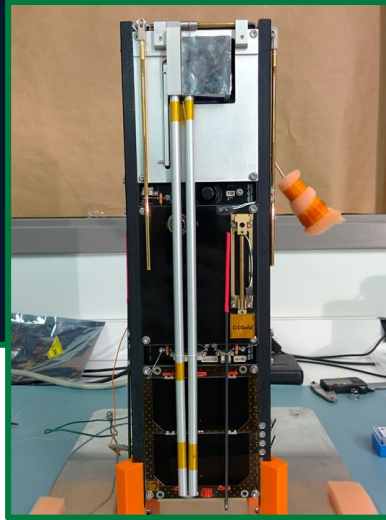
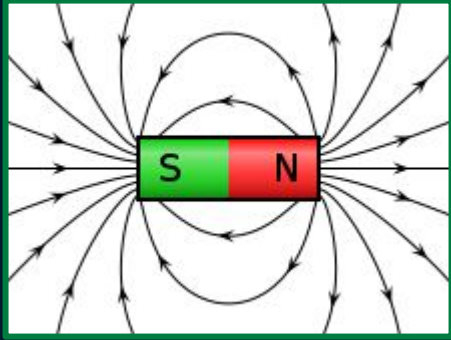


Iris Imager

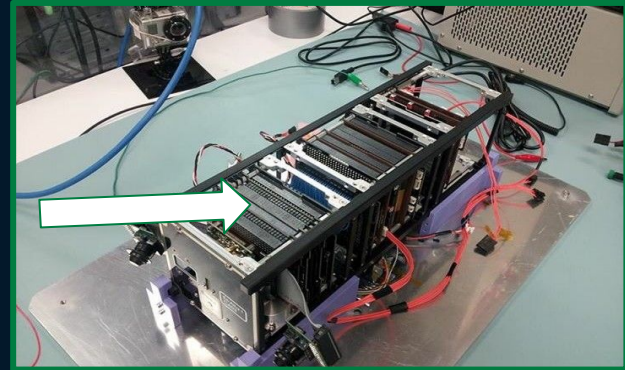
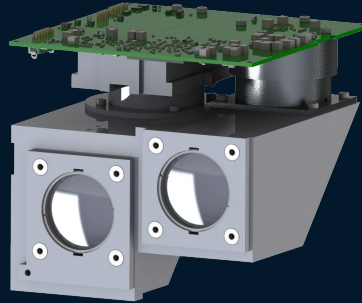
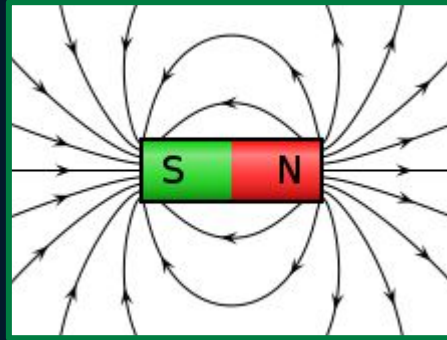
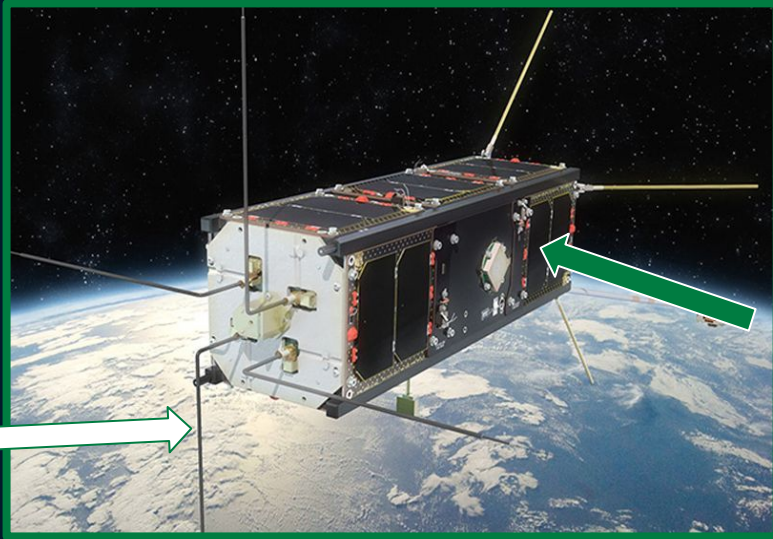


Magnetometer

measures magnetic fields

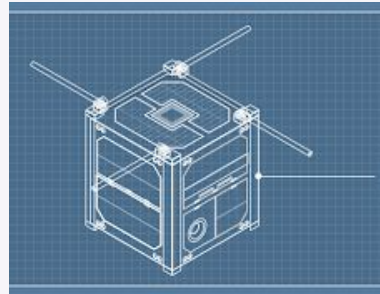


What things does a satellite need?



Imagine that you are an Engineer working for the Canadian Space Agency and you need to **design a satellite** and **draft a blueprint** of what you want it to look like!

ACTIVITY





Date

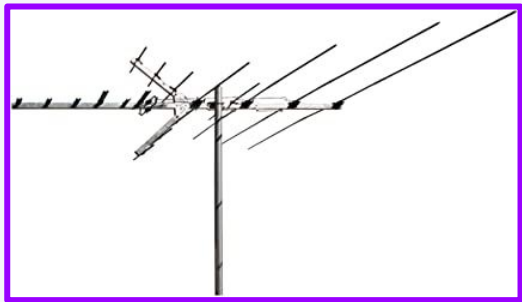
Title

Name

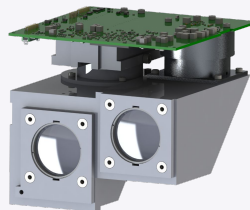


BE CREATIVE!!!

Your satellite needs



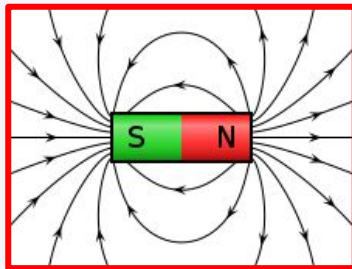
A reason to be
in space



A way to communicate



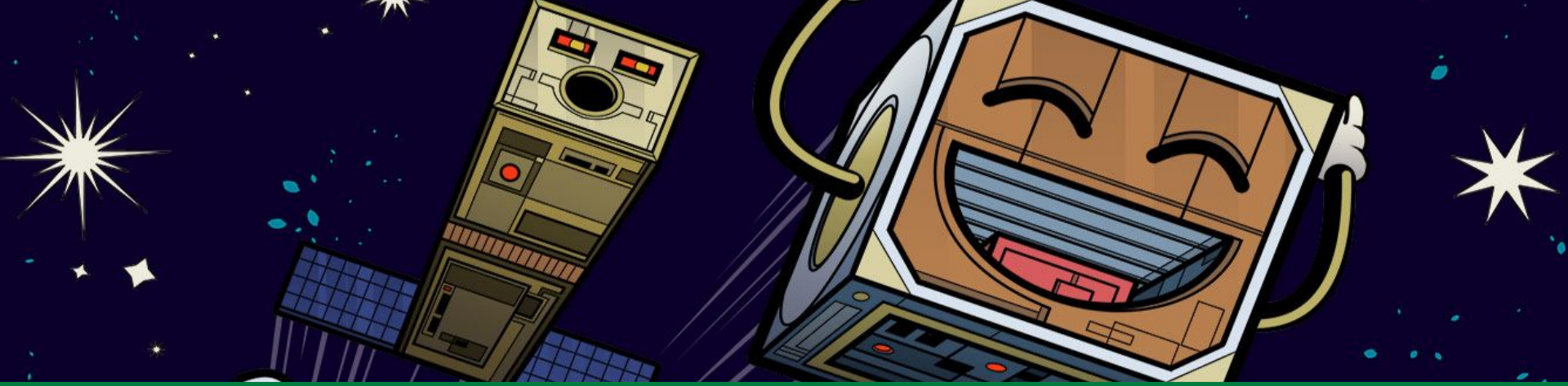
A way to orient itself



A way to control
everything



A source of power



CubeSat Blueprint with AlbertaSat

