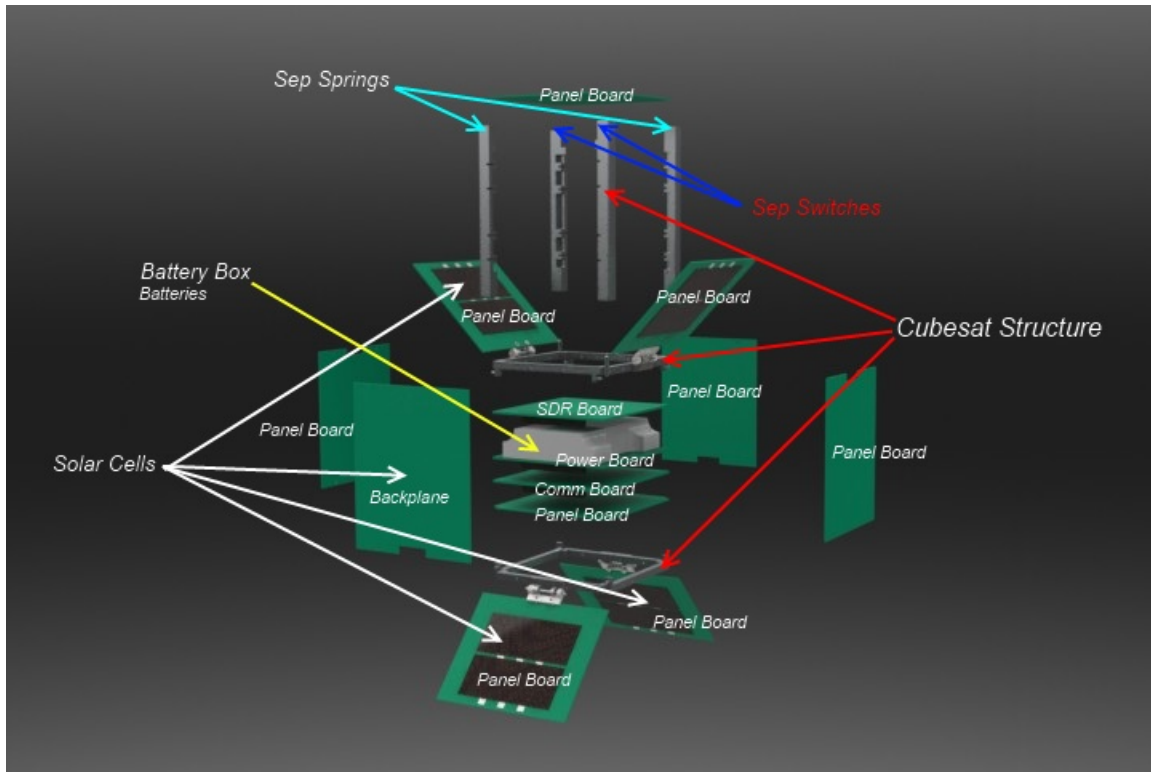


CAPE-2 CubeSat Description

University of Louisiana, Lafayette – 1U



CAPE-2 will be a vehicle to teach local schools in the area space science and to test out satellite and software defined radio designs. The educational mission is to get local schools in our area interested in space science. Payloads include parrot repeater, text to speech, digipeater, and DTMF. The experimental mission is a proof of concept for satellite busses and software defined radio.

The satellite utilizes a communication system which is necessary to uplink commands and downlink data containing spacecraft health as well as payload test results.