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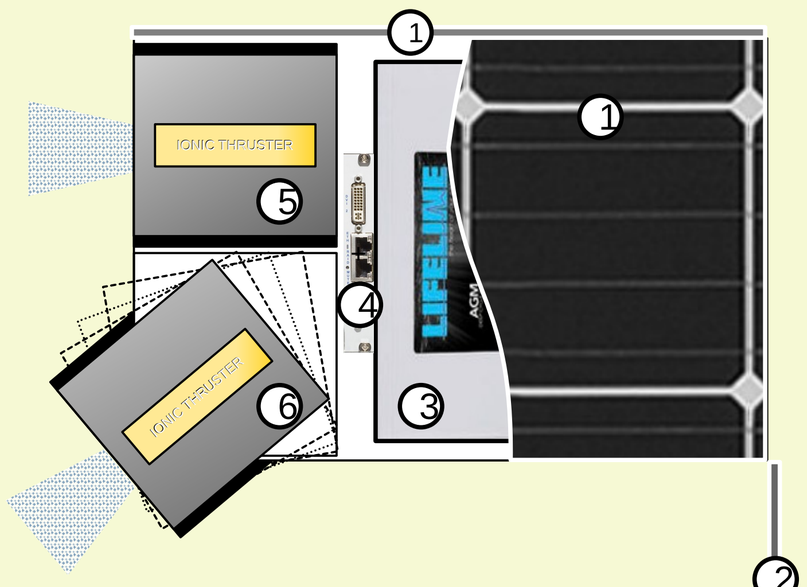
Satellite Swim Lane



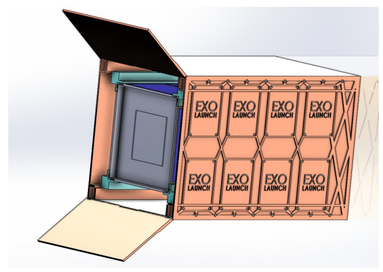
Payankeu systems

1) Solar panel closed
2) Solar panel opened
3) Battery
4) On-board computer
5) Thruster in initial position
6) Thruster in rotation

Testing in a pool is low cost vs. in orbit testing

THRUSTER SIMULATOR

7) Waterproof area
8) Wet area
9) Power connector
10) Power system
11) Engine
12) Propeller
13) I2C connector
14) Arduino Nano
15) Water jet

a)


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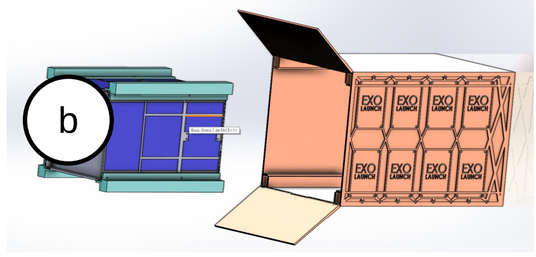

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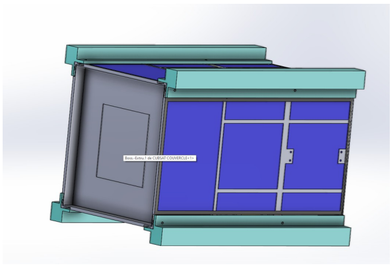

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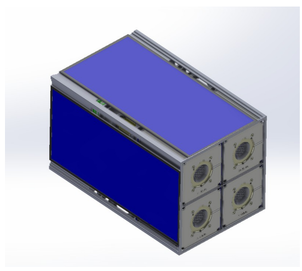

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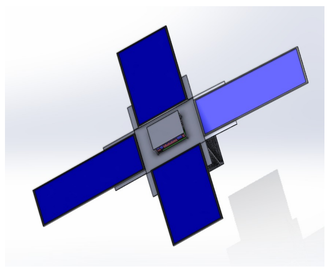

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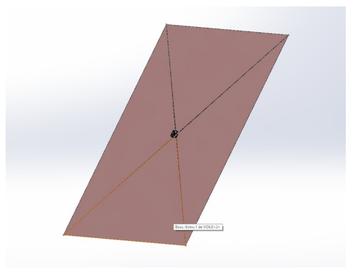

FLIGHT STEPS

To be tested

a) P-POD is opened
b) CubeSat goes out
c) CubeSat waits 30’
d) The CubeSat uses thrusters to stabilize and spin.

e) Open solar panels & launches sailcraft

f) Sail is deployed

PAYANKEU flies to the Moon.