

# SATLASS Cold Gas Propulsion System and Nozzle Geometry Study ERSA

### Introduction

- First CubeSat deployer capable of deploying at multiple orbits.
- Features a cold-gas thruster system.
- Can deploy up to 3 1U CubeSats.
- CubeSats are miniature satellites composed of Units (U's).
- approximately  $\circ 1U$ measures 10x10x10 cm.



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Satellite Autonomous Launch and Assembly Structure

### Furure Endeavours

- system.
- Manufacturing analysis for nozzles.
- propulsion system.

## Nozzle Geometry





• CFD and further stress testing on all nozzle geometries and propulsion

material and • Manufacturing and testing of

• Finalizing structure development.