



Agenda

- 1. pl space
- 2. Design and Development
- 3. CubeSat Structure Family
- 4. Antenna Deployment System
- 5. Solar Panel Deployment System
- 6. Testing

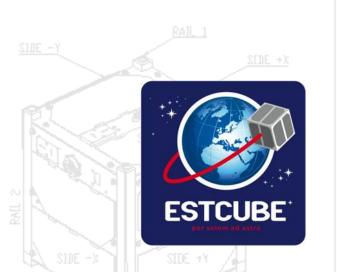
- General Holerunces are after ISB 2768-IF
 Rolls, which will Hough the P-Pod, will be made from AV 6082.
- The pluninum on the nois is hard produced.
 Supplies Shield an all pulls is to 1.6.
- 1010 HH cube.
 * On the -Y side the sun sensor on the ADS
- "Un the -T side the sun sensor on the AUG box will exceed 6.5 rm normal to the surfice of the MMD by subs
- The estimated center of mass of ESTDuba located inside a sphere of 20 mm from its acceptate center.
- The used seperation springs are from Heirrich Kipp Verk with the product
- The moss of the sotelite is a estimate number.

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	2 2 3 Moss	Unayfill 39-1 Thintus Quantity
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pl space

Spin-off from ESTCube Founded in November 2013



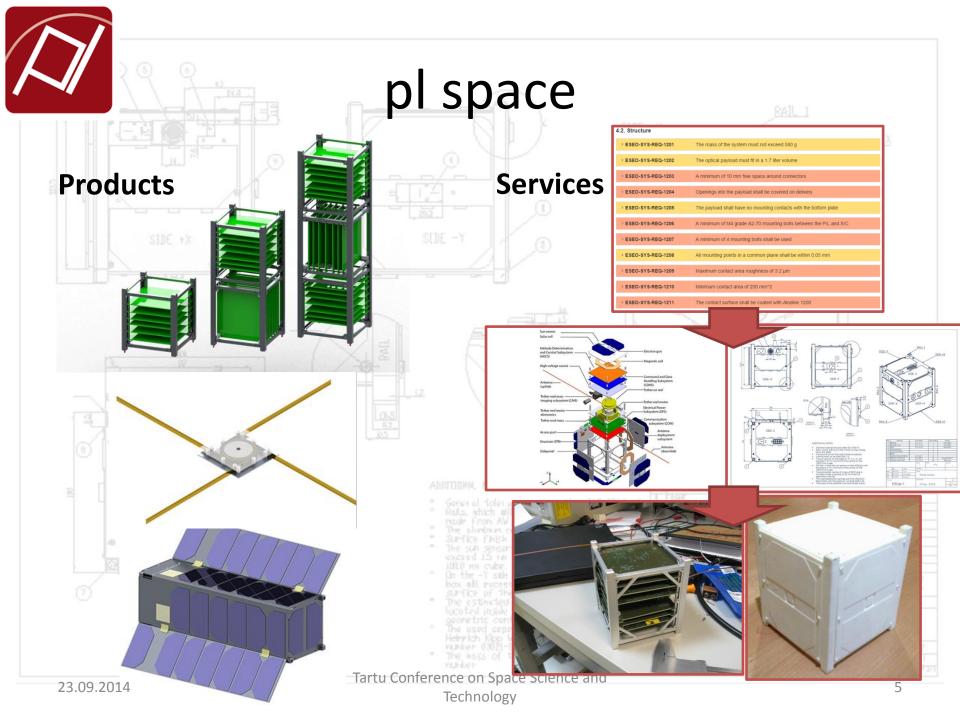
Vision - pl space will be a recognized space systems developer for space upstream and downstream sectors.

Supported by



The moss of the satellite is a estimate number

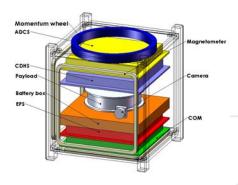
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5 1			2 2 31 Moss	Unayhill (79-1 Thindus Boomility
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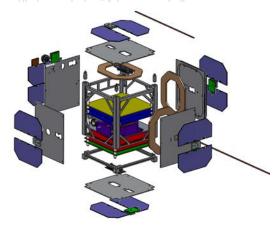


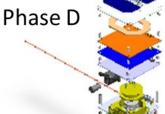
ESTCube-1 STR

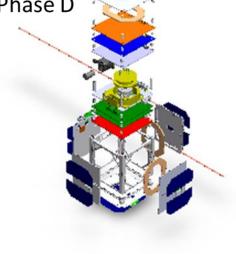
Phase 0/A



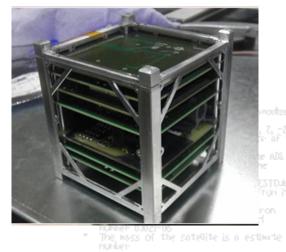


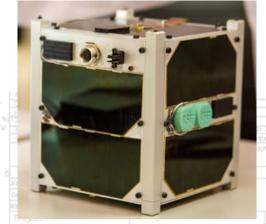








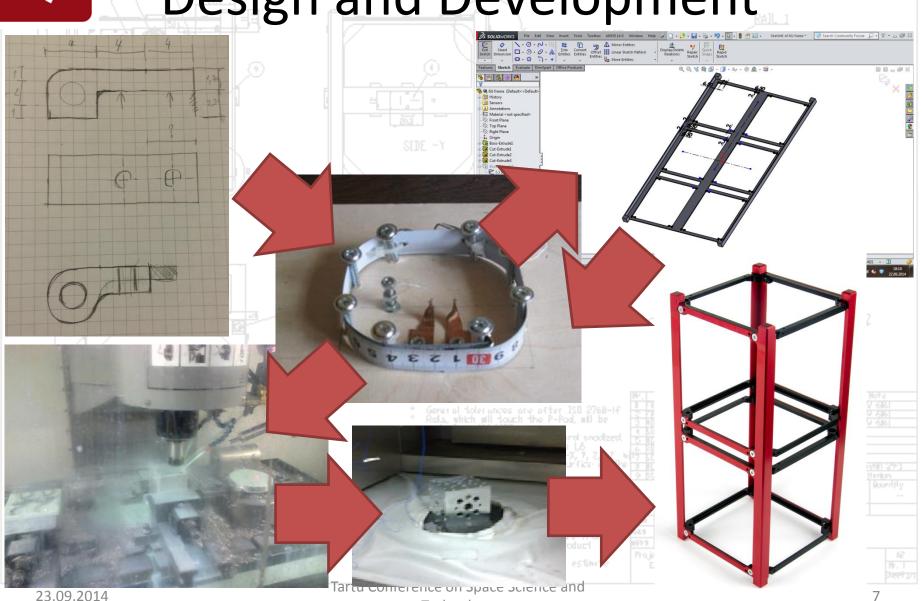




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Design and Development

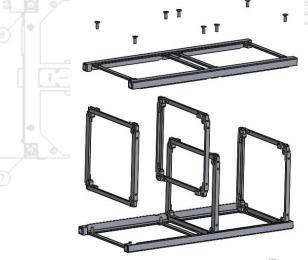


Technology



CubeSat Structure Family

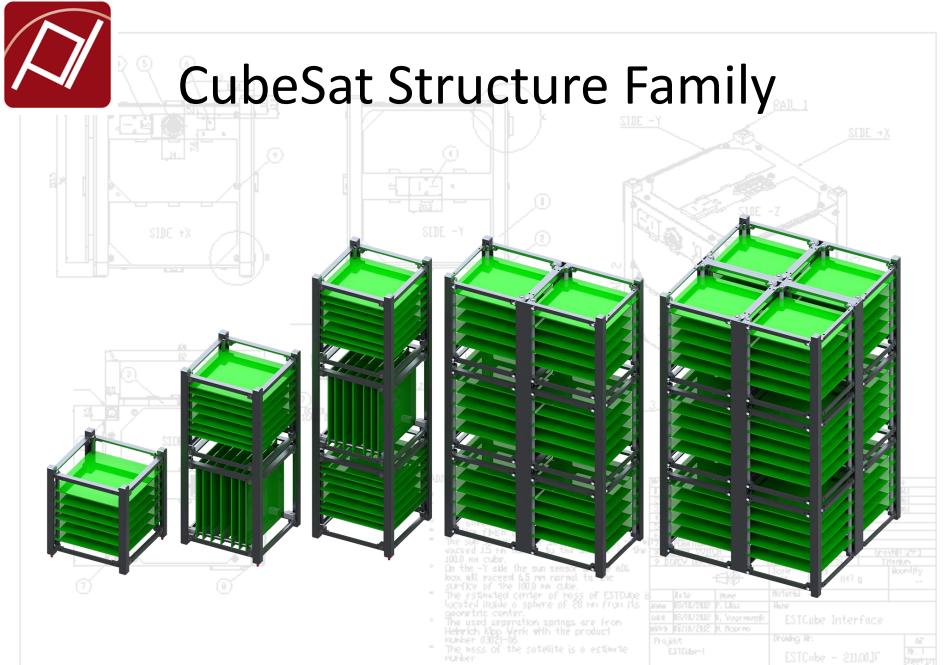
- From 1U to 12U
- Non-ferromagnetic
- Material AW 6082-T6 (EC1)
- Different coatings



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- General tolerances are after Rule, which all touch the Property Comp. NV 5002
- The olimination the rolls is
- The sun sensor on the sides encred JS on narrol to the 1000 on cube.
- On the -Y side the sun sensor look will exceed 6.5 rm normal surfice of the 1000 km cube
- "The estimated center of no located inside a sphere of geometric center.
- * The used separation spring Heinrich Kipp Verk with the
- " The moss of the satellite number

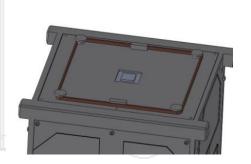


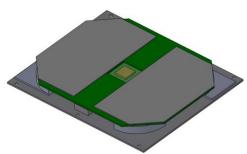


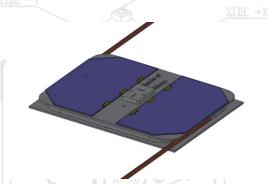
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Antenna Deployment System



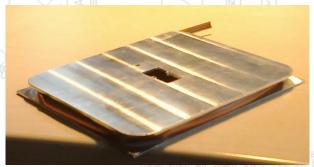


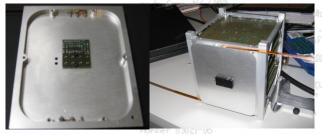


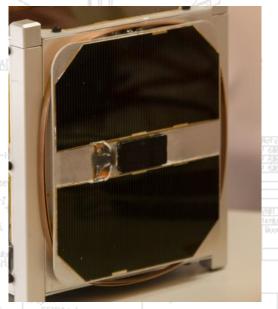
begin with tests early and try to keep the system simple!











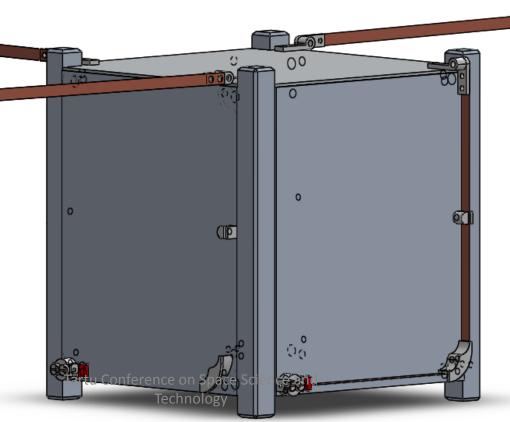
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Antenna Deployment System

- UHF/VHF antennas
- profiled BeCu (EC1)
- more space inside SC

- mounted on the sides
- reusable melting mech.
- starting from 1U





Solar Panel Deployment System

- 90° and 135°
- launch lock
- starting from 1U
- reusable melting mech.

