## What is "HEPTA-SAT Training"?



Hands-on Space Engineering Education Using 1U-Sized Satellite Kits.

Learn the Entire Satellite System in a Short Period Through Workshop-Style.

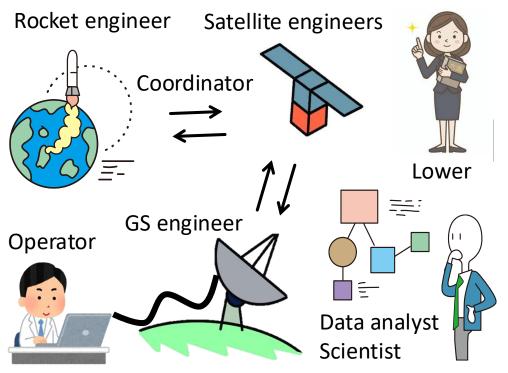


# Why is it needed to Understand the Entire Satellite System?



Each subsystem has its own expert, but It is important to have a perspective to optimize the satellite as an integrated system. Satellite **Electrical Power** Command & Structure Supply **Data Handling** Subsystem Subsystem Subsystem

A satellite system consists of various stakeholders beyond satellite engineers



Regardless of whether you are engineers, specialists in a specific subsystem, or nonengineers, everyone involved in spacecraft development needs to understand the entire system to build better satellites.

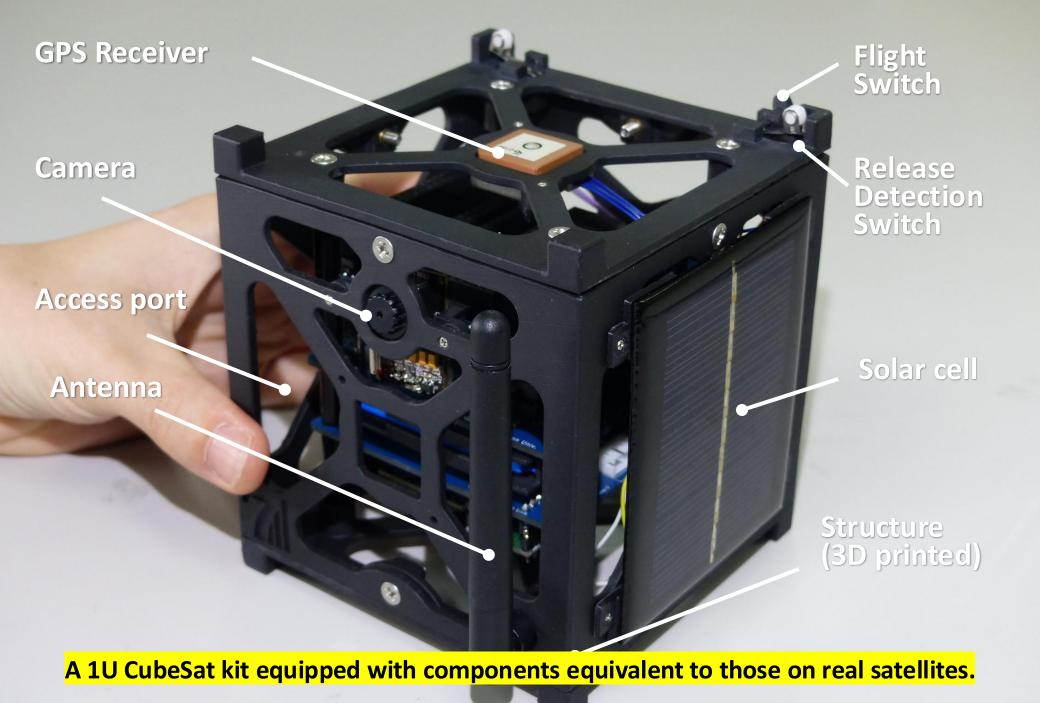
#### **Features of HEPTA-Sat Training**

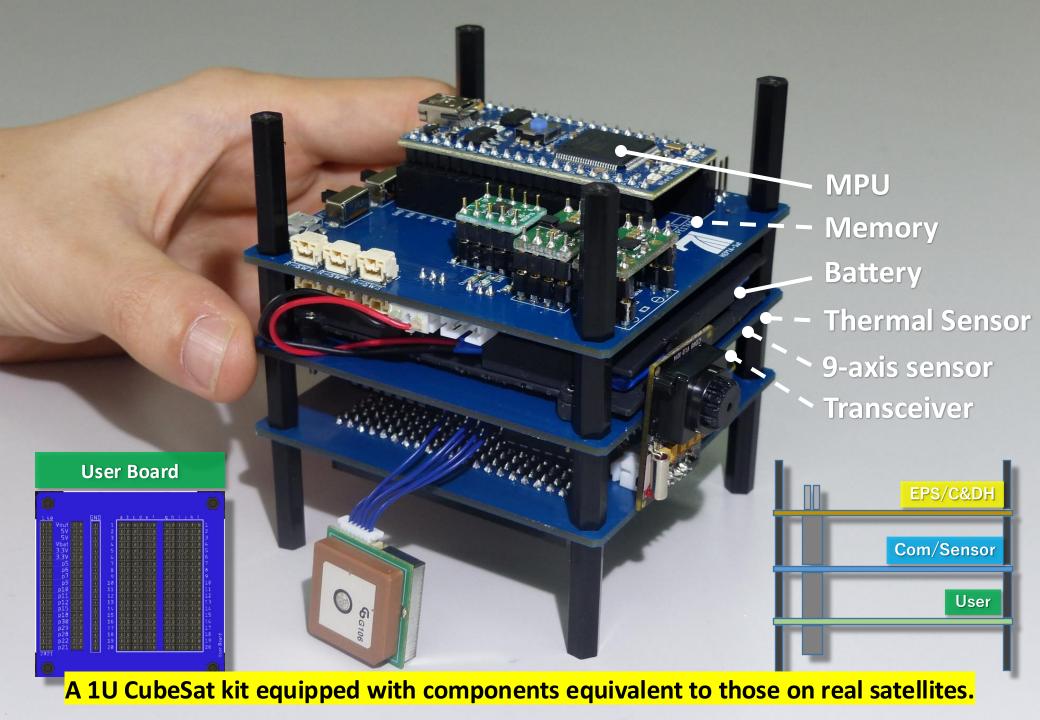


A capacity-building platform for passing on knowledge and skills in spacecraft system through practical satellite development.

- ✓ In just 1 day to 2 weeks workshop.
- ✓ A hands-on program for anyone not only engineers, but also non-engineers.
- ✓ Joined by more than 1,000 participants worldwide until today.
- ✓ Adopted by space agencies, companies, high schools student, and JAXA astronaut training.







#### Overview of the Workshop Design



The training consists of a short lecture and a hands-on part with a self-study textbook.



The content of the training is

**00** Introduction to CubeSat System

**01 On-board Computer Programming** 

**02 Electrical Power Supply** 

03 Command & Data Handling

**04 Sensor Subsystem** 

**05 Communication Subsystem** 

**06 Structure Subsystem** 

**07** Mission Design & Implementation

The structured training program makes it easy to understand.

#### **CLTP**: CubeSat/CanSat Leader Training Program



- An annual international workshop attracting participants from overseas.
- To equip participants with the skills and knowledge necessary to teach CubeSat development in their own countries in the future.

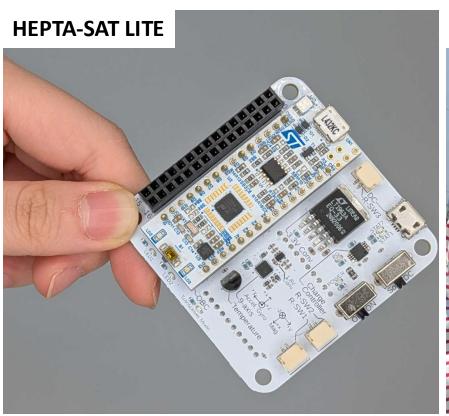


Next CLTP 2026: August 18-28, Japan, Please Join!

# Other HEPTA-SAT model for easier satellite learning Repta-SAT



- HEPTA-SAT LITE: 55 mm  $\times$  55 mm palm-sized electric board, it has satellite all key functions.
- **Weather Mission Model: Experience the full satellite system life cycle from** design to operation & data analysis.





## Please Contact & Discuss about your plan!



- Learn satellite development & entire system in a short time for anyone.
- We design each HEPTA workshop based on your objective.
- We also have an exhibition booth in this event, so please feel free to come and talk with us!

