

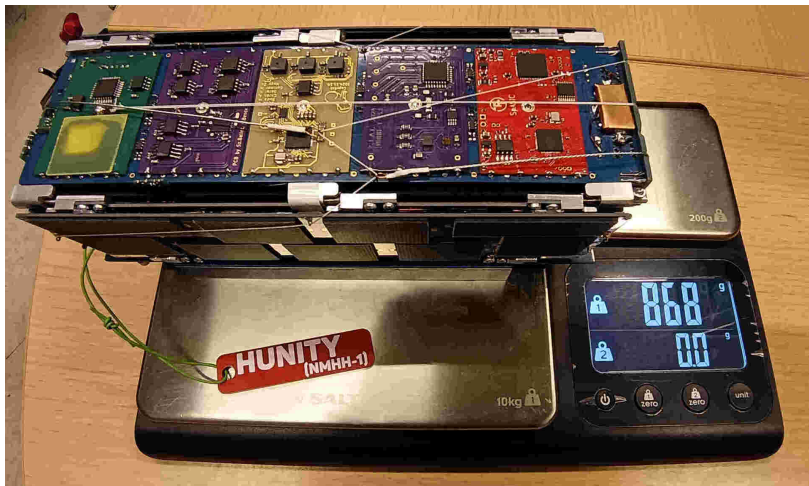
Hunity (NMHH-1) - BME VIK HVT MTL + MRC



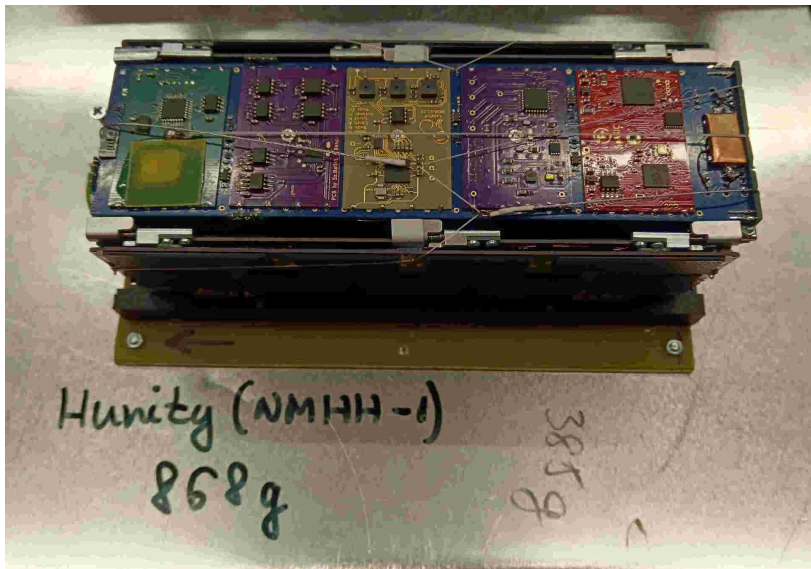
dr. Dudás Levente, dr. Gschwindt András

dudas.levente@vik.bme.hu

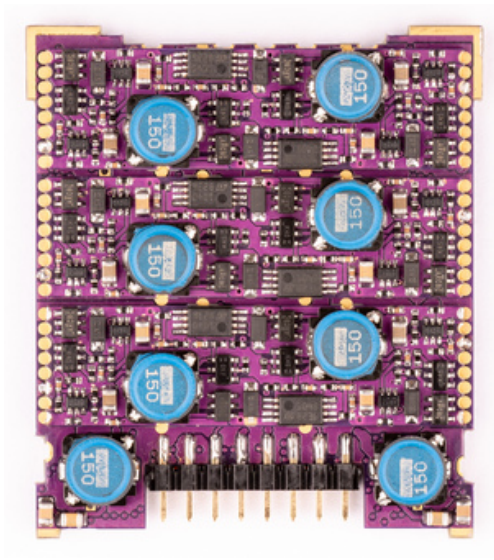
Hunity (NMHH-1) on Falcon-9 (Transporter-15) 1



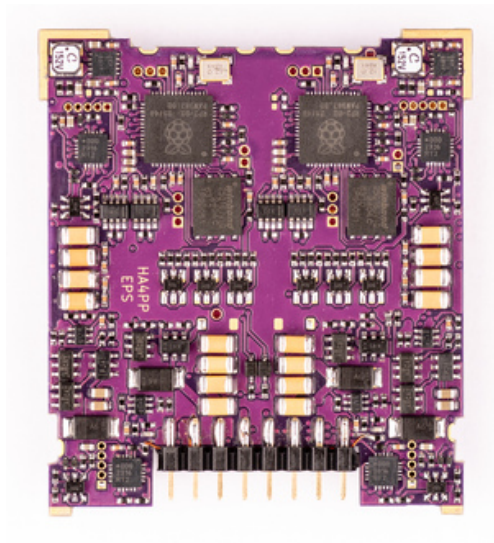
Hunity (NMHH-1) on Falcon-9 (Transporter-15) 2



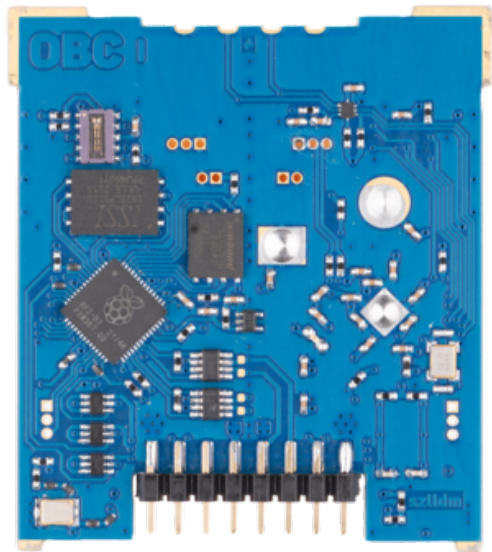
Electrical Power System 1



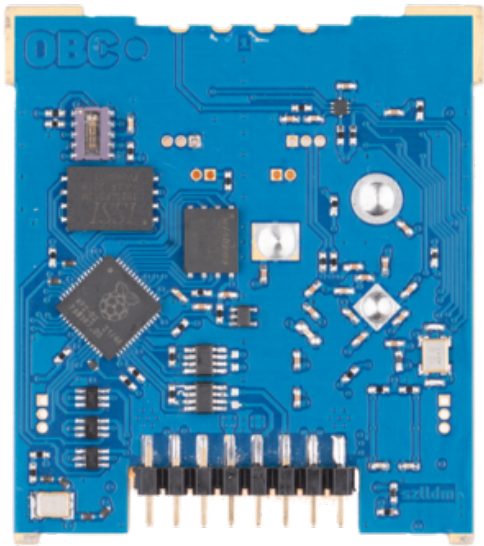
Electrical Power System 2



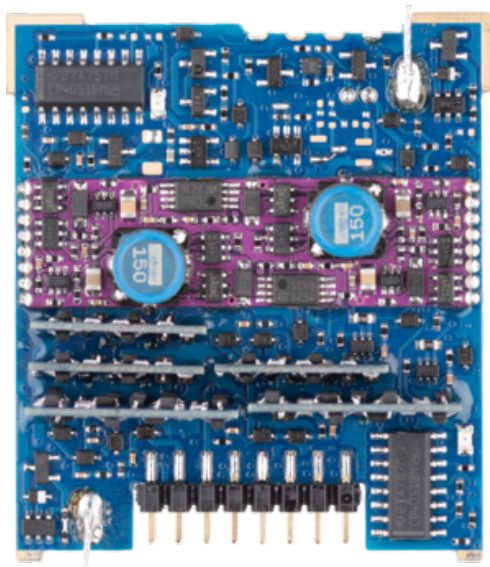
On-Board Computer 1



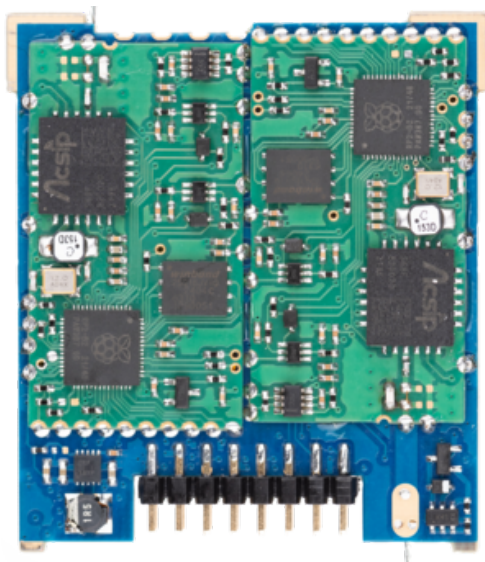
On-Board Computer 2



COMmunicational System 1



COMmunicational System 2



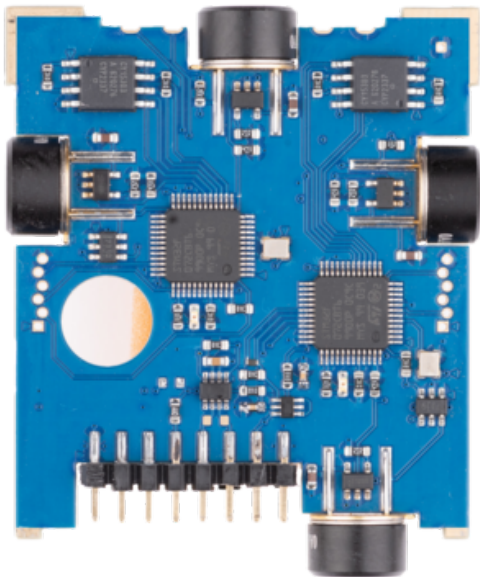
Battery + CAMera 1



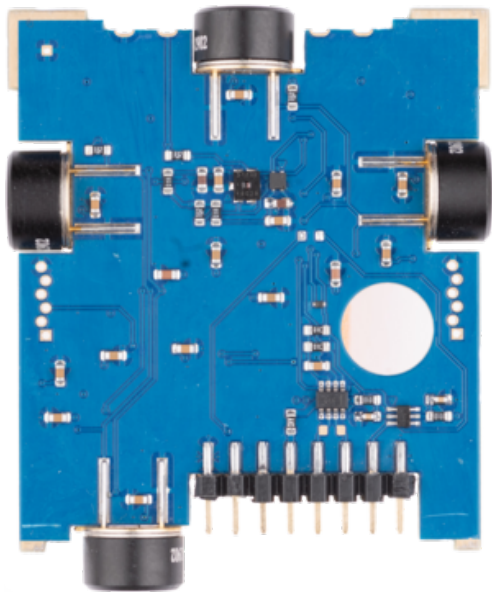
Battery + CAMera 2



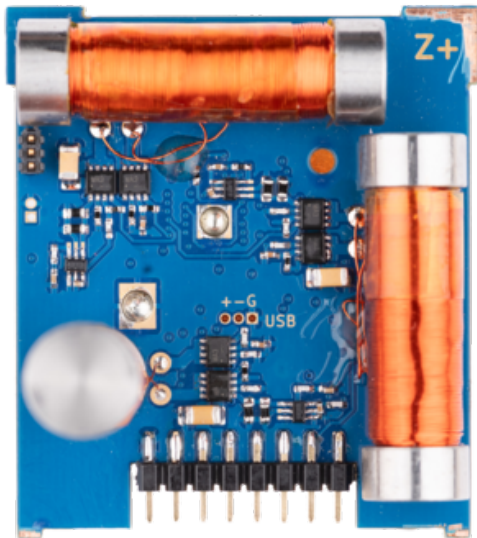
SUN Sensor 1



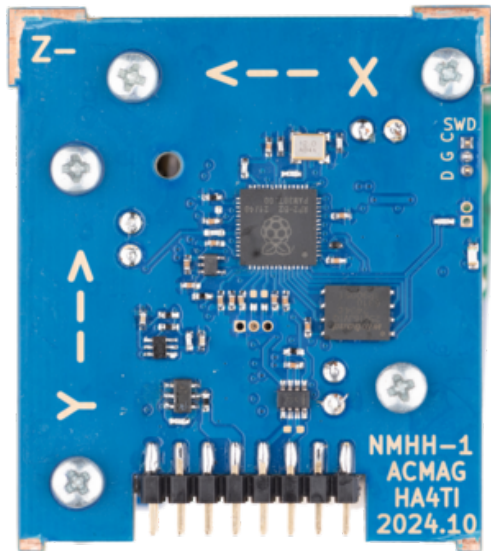
SUN Sensor 2



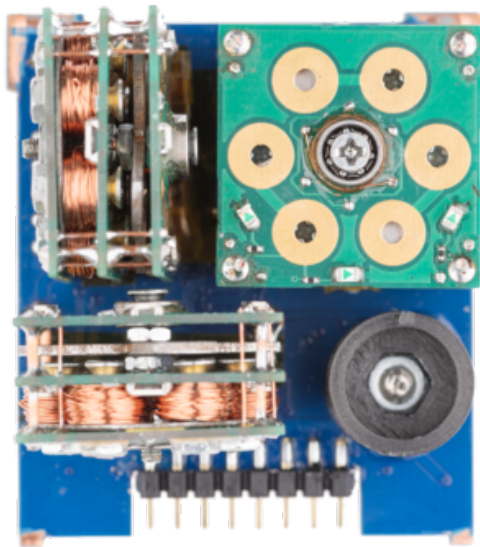
Attitude Control MAGnetic 1



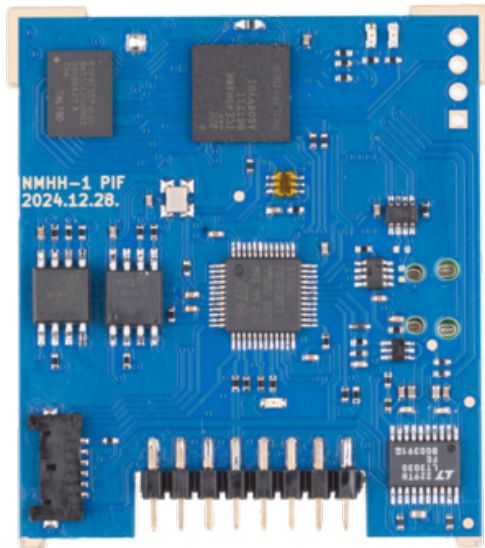
Attitude Control MAGnetic 2



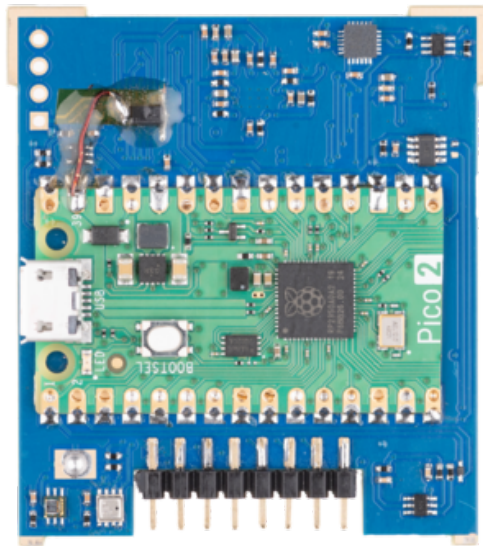
Attitude Control MOTor 1



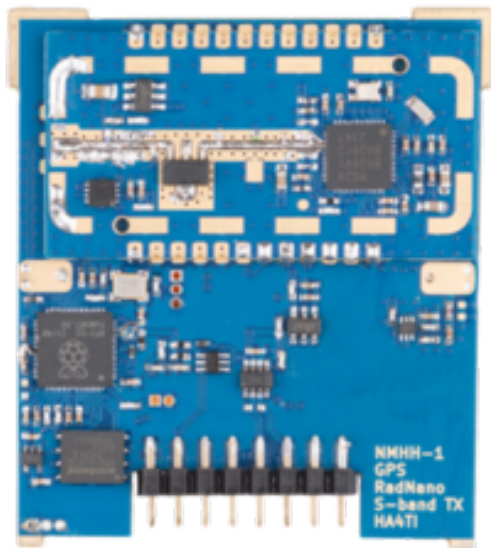
Pico2 + FPGA 1



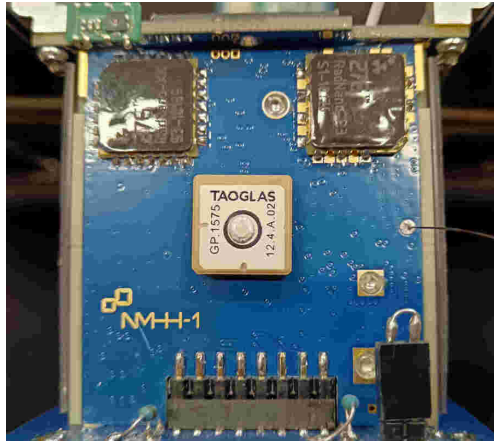
Pico2 + FPGA 2



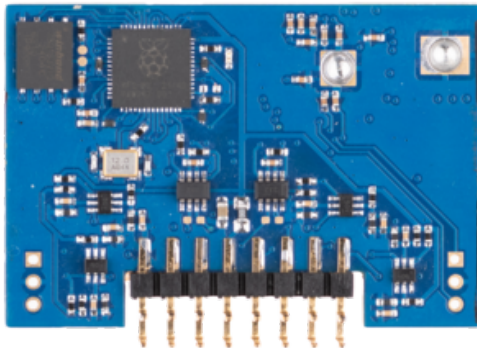
GPS + Radiation Sensor 1



GPS + Radiation Sensor 2



Router 1



Experiments 1



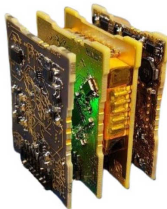
Győr Széchenyi István University SZESAT team

The SZESAT is a satellite within the NMHH-1 mission, developed by Széchenyi István University of Győr, featuring advanced technological demonstrations and experiments.

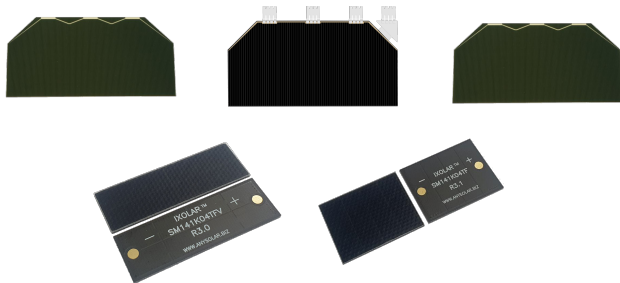
- ✎ Satellite within HUNITY
- ✎ Technological demonstration
- ✎ Laser communication experiment
- ✎ Orientation detection with semiconductor sensor

More information:

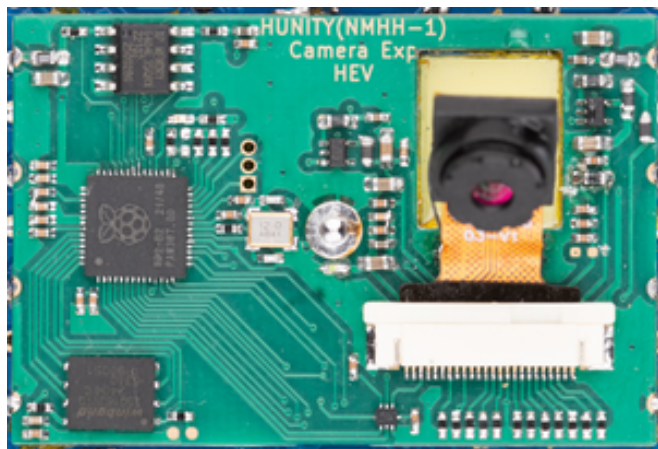
[Visit SZESAT Website](#)



Experiments 2



Experiments 3



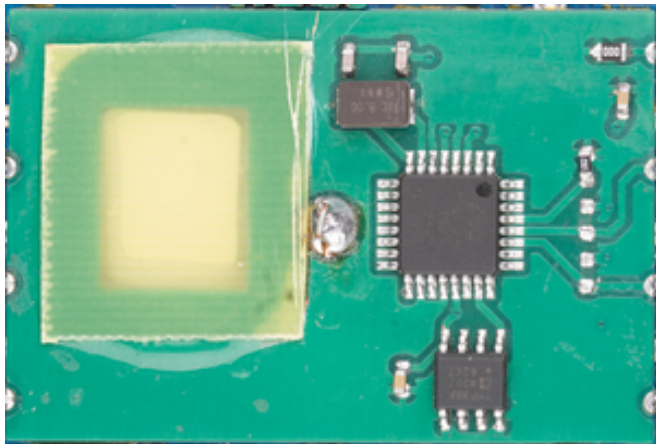
Experiments 4



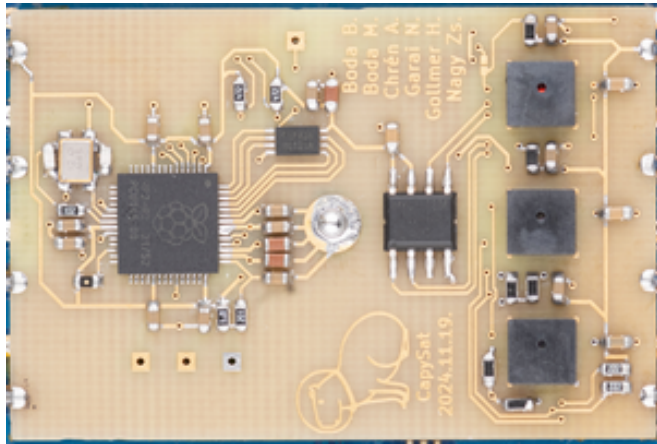
Experiments 5



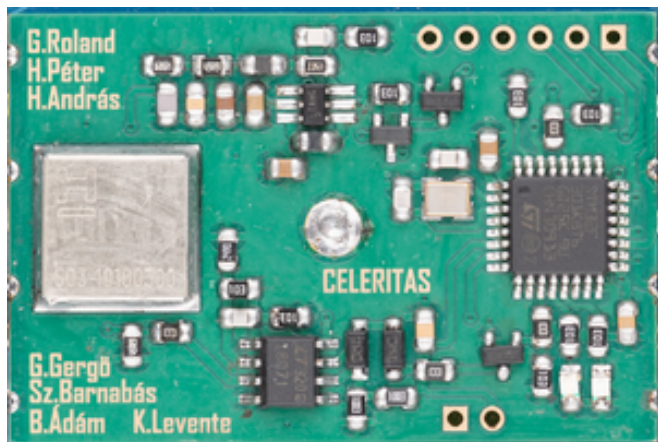
Experiments 6



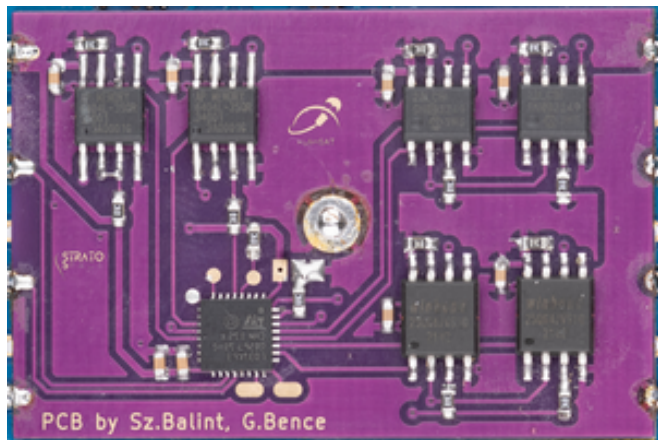
Experiments 7



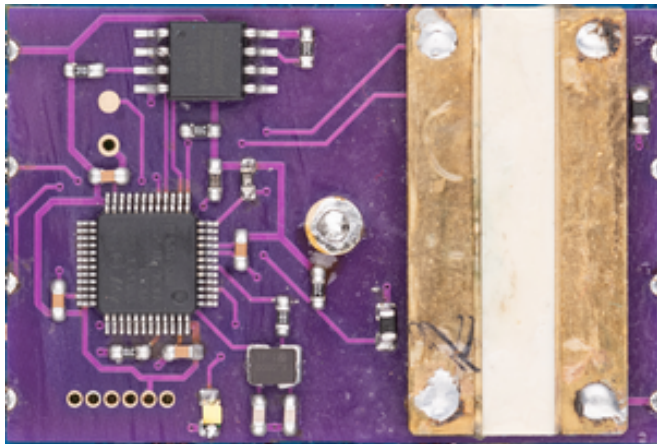
Experiments 8



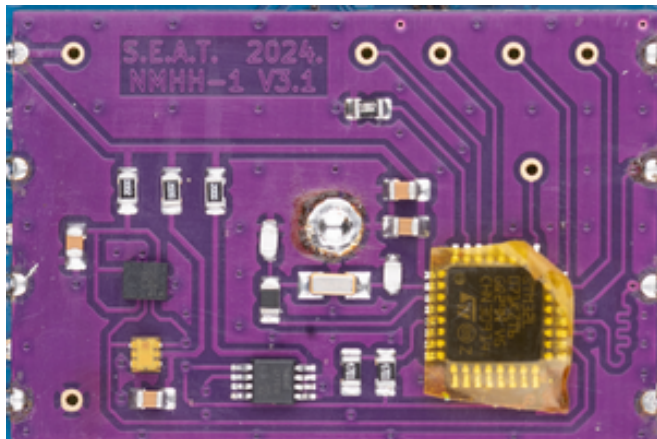
Experiments 9



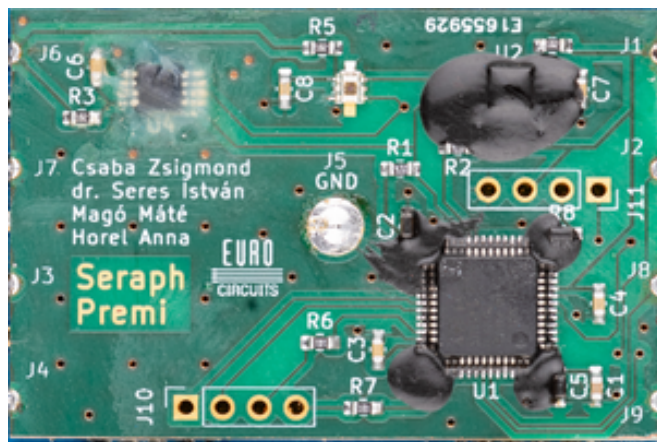
Experiments 10



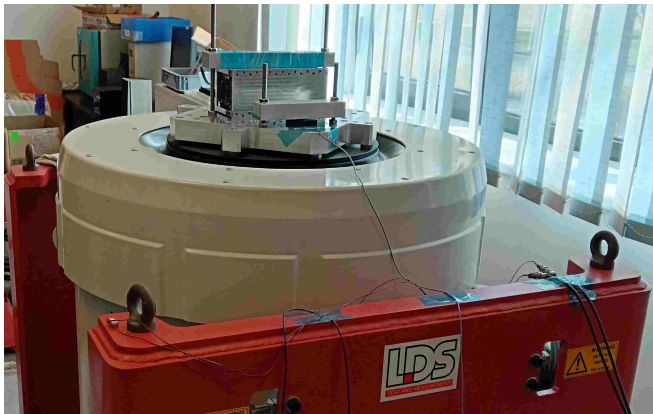
Experiments 11



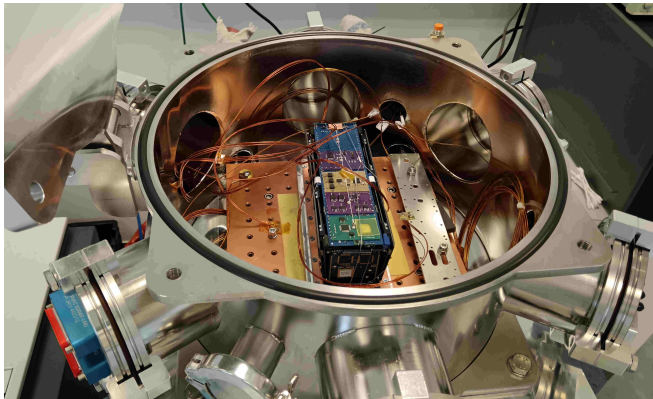
Experiments 12



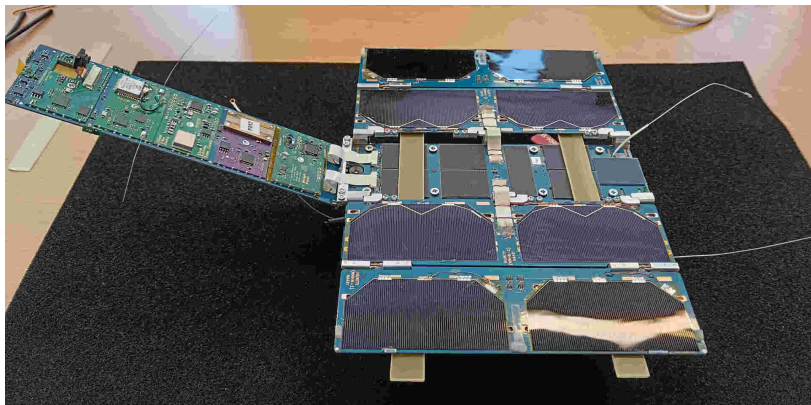
Environmental Tests 1



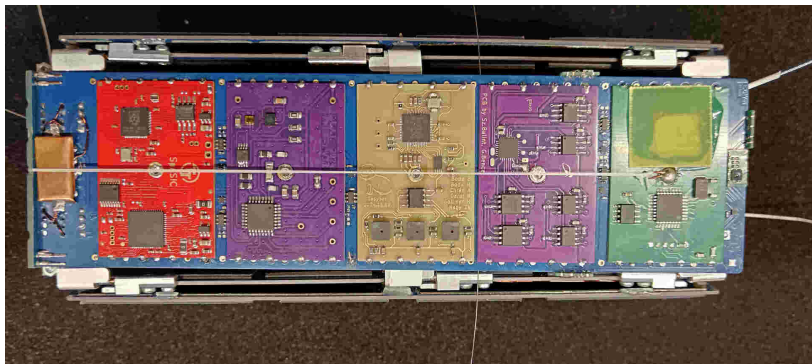
Environmental Tests 2



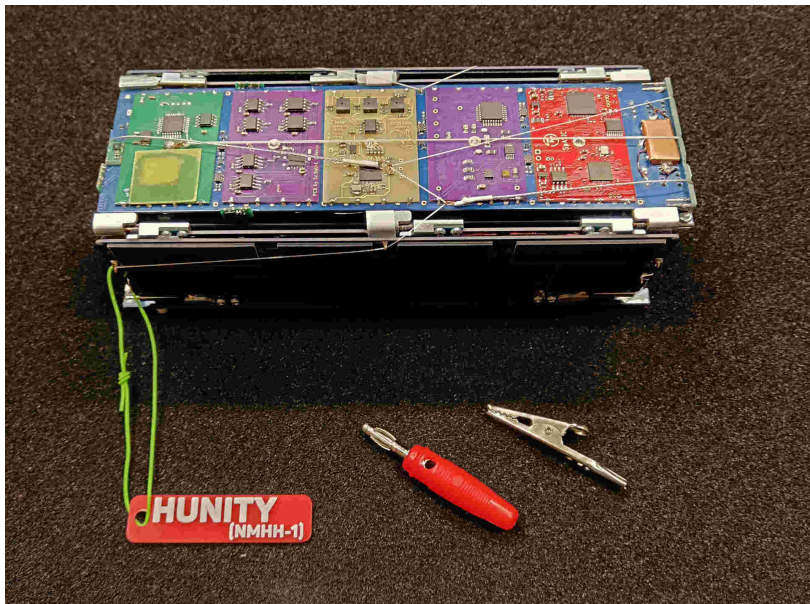
Hunity (NMHH-1) 1



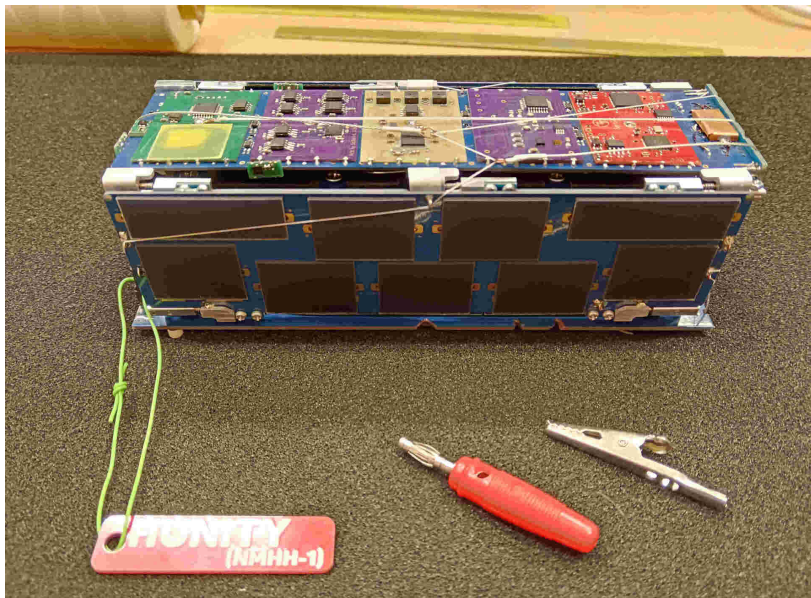
Hunity (NMHH-1) 2



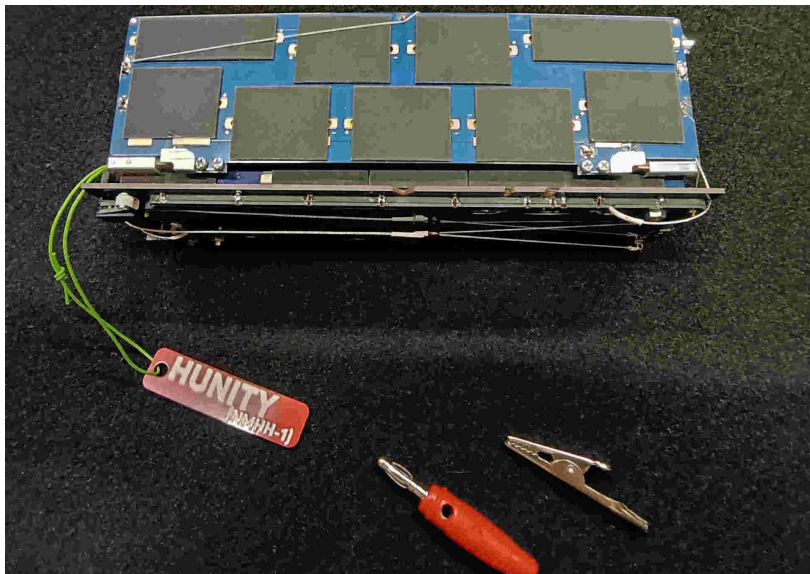
Hunity (NMHH-1) 3



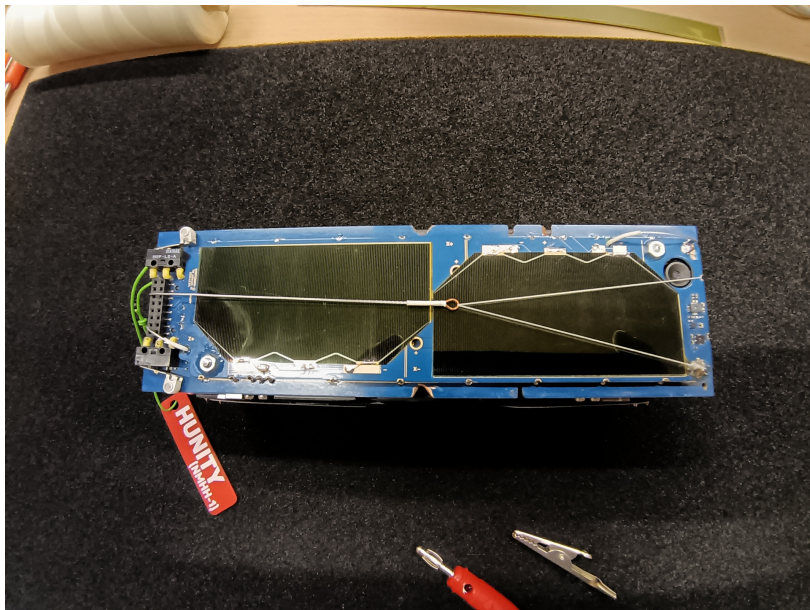
Hunity (NMHH-1) 4



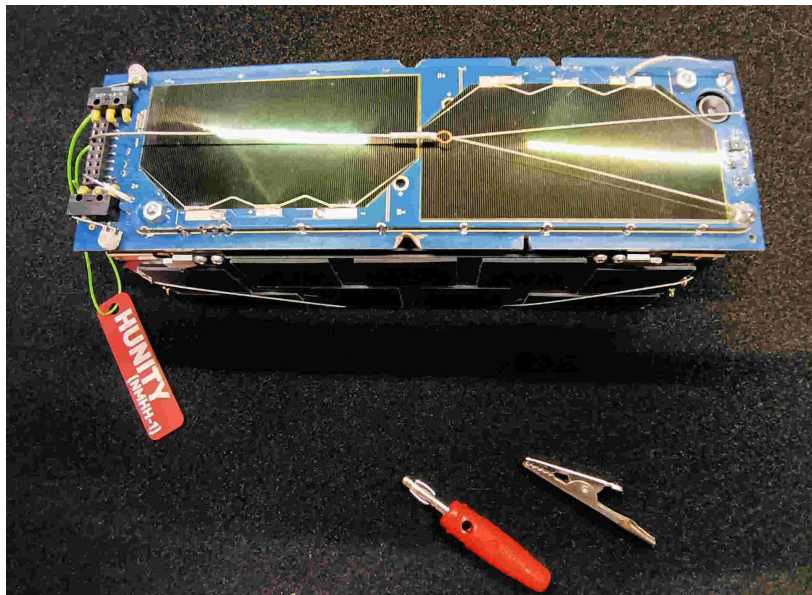
Hunity (NMHH-1) 5



Hunity (NMHH-1) 6



Hunity (NMHH-1) 7



Hunity (NMHH-1) 8



Hunity (NMHH-1) Ground Station 1

BME - GND -- Chromium

BME - GND gnd.bme.hu

BME - GND "a határ a csillagos ég"

Kezdőlap Hírek Rólunk Galéria Műholdak Amatőrök Támogatók Kapcsolat

FÖLDI ÁLLOMÁS

műholdkövetés, vezérlés

bővebben>>

Legújabb

Kapu Tibor ISS összeköttetés
2025.07.02.
2025. július 3-án, több hónapi készülődés után sikeresen felvettük a kapcsolatot a magyar diákok Kapu Tiborral az ISS fedélzetén. Nagyon jó volt a kapcsolat. A kísérletről készült felvételt itt megnézhető: youtube
[Tovább>>](#)

SMOG-1 jelaó
2021.05.31.
2021. április 29-én az O.M.K. épület tetőszintjére kikerült egy távvezérelt jelaó, amely az elsődleges SMOG-1 földi vezérlő állomás rádiófrekvenciás paramétereinek mérésére, kalibrálására szolgál: érzékenység mérés, antenna iránykarakterisztika mérés, nyereség irányélességi szög mérés, iránykalibráció.
[Tovább>>](#)

Ajánlott

HUNITY
Oktatási célú 15x15x5 cm-es(3pq) pocketcube
[Tovább>>](#)

MRC-100
Oktatási célú 15x15x5 cm-es(3pq) pocketcube
[Tovább>>](#)

SMOG-1 és SMOG-P

1 2 3 4 BME - GND -- Chromium levi@levi: -/smog1pr...

14:52

Hunity (NMHH-1) Ground Station 2

BME - GND

gnd.bme.hu/ham.php

Dudás Levente... nyomtató DJ BOBO „LA BO... radar BME - GND ActaAstronautica 46 Új lap szband Index of /16 Kezdőlap - BME... Minden könyvjelző

 **BME - GND**

"a határ a csillagos ég"

Kezdőlap

Hírek

Rólunk

Galéria

Műholdak

Amatőrök

Támogatók

Kapcsolat

Élő kameraképek



parabola3m 2025-11-14 14:57:14



parabola4m5 2025-11-14 14:57:14

A fenti videókat két Raspberry PI és a hozzájuk tartozó kamerák szolgáltatják.

Web SDR

MŰHOLD KÖVETÉS
Jelenleg több rádióamatőr műholdat is követünk, alkalom szerűen, ekkor lehet a web SDR felületén keresztül, hallgatni az éppen aktuális műhold jeleit.

1 2 3 4

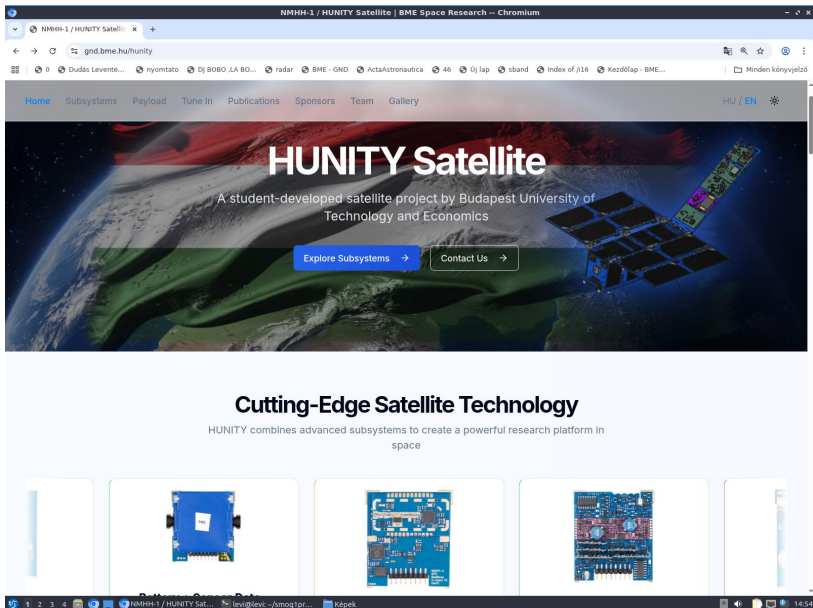
BME - GND - Chromium

levi@levi: ~/mog1pr...

Képek

14:57

Hunity (NMHH-1) Ground Station 3



The screenshot shows a web browser window with the title "NMHH-1 / HUNITY Satellite | BME Space Research - Chromium". The address bar shows "gnd.bme.hu/hunity". The website has a navigation menu with links: Home, Subsystems, Payload, Tune In, Publications, Sponsors, Team, and Gallery. The main banner features a satellite in orbit over a stylized Earth with red and green landmasses. The text "HUNITY Satellite" is prominently displayed, followed by the subtitle "A student-developed satellite project by Budapest University of Technology and Economics". Below this are two buttons: "Explore Subsystems" and "Contact Us". The section below the banner is titled "Cutting-Edge Satellite Technology" and includes the text "HUNITY combines advanced subsystems to create a powerful research platform in space". At the bottom, there are four placeholder boxes for images, with the second and third boxes containing images of electronic circuit boards. The browser's taskbar at the bottom shows several open applications and the system clock at 14:54.

Home Subsystems Payload Tune In Publications Sponsors Team Gallery HU / EN

HUNITY Satellite

A student-developed satellite project by Budapest University of Technology and Economics

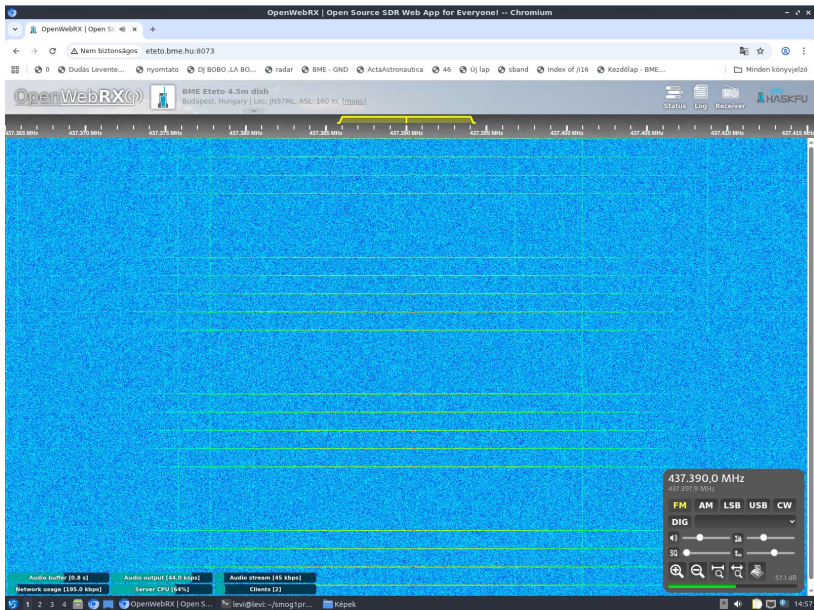
[Explore Subsystems](#) [Contact Us](#)

Cutting-Edge Satellite Technology

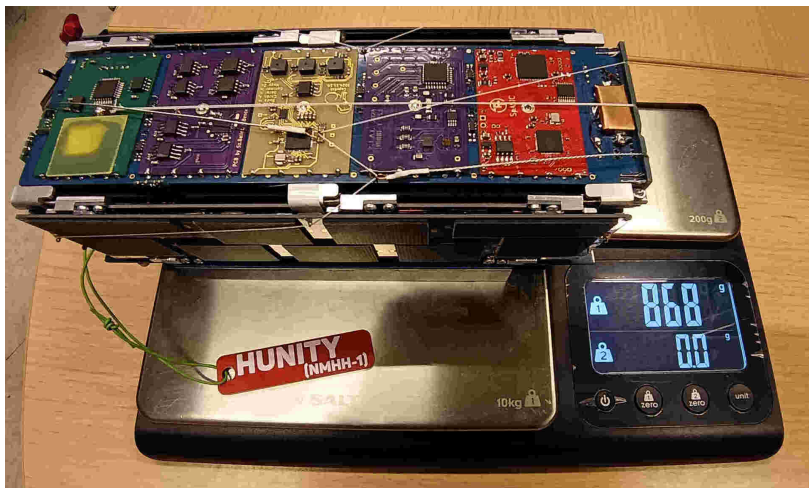
HUNITY combines advanced subsystems to create a powerful research platform in space

1 2 3 4 NMHH-1 / HUNITY Sat... levi@levi: ~/smog1pr... Képek 14:54

Hunity (NMHH-1) Ground Station 4



Hunity (NMHH-1) - BME VIK HVT MTL + MRC



Falcon-9 Transporter-15 2025-11-19 18:18 UTC

<https://gnd.bme.hu/>

<https://gitlab.com/phorvath/smogcli2>