# HAMAV

High Altitude Micro Air Vehicle

Graphical Content

Jan Struziński, Chief Engineer, 3SAT

Mateusz Mazurkiewicz, Team Leader, 3SAT

Łukasz Gałecki, 3D Printing Expert, 3SAT

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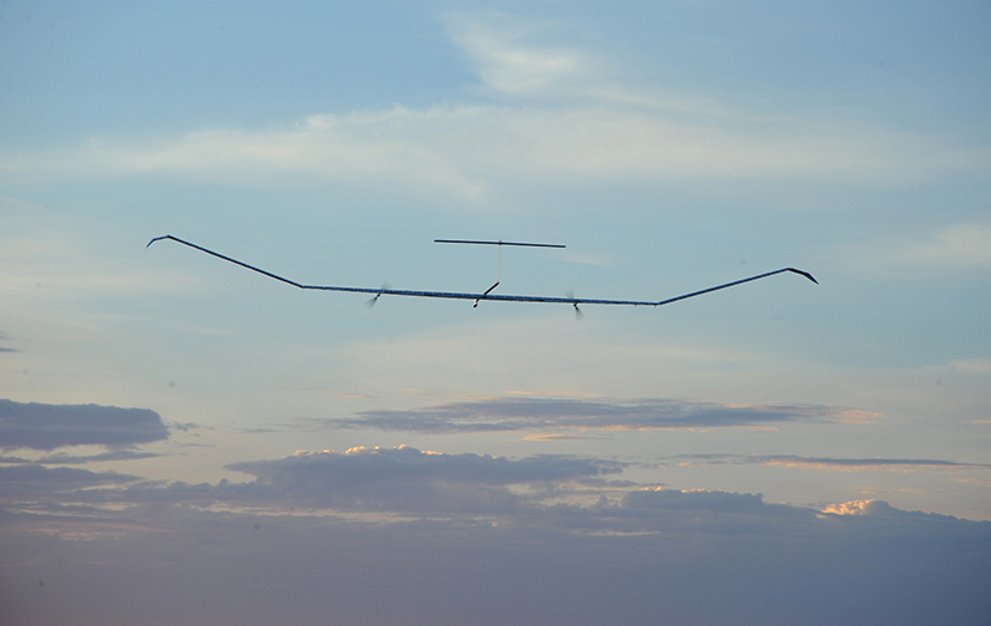
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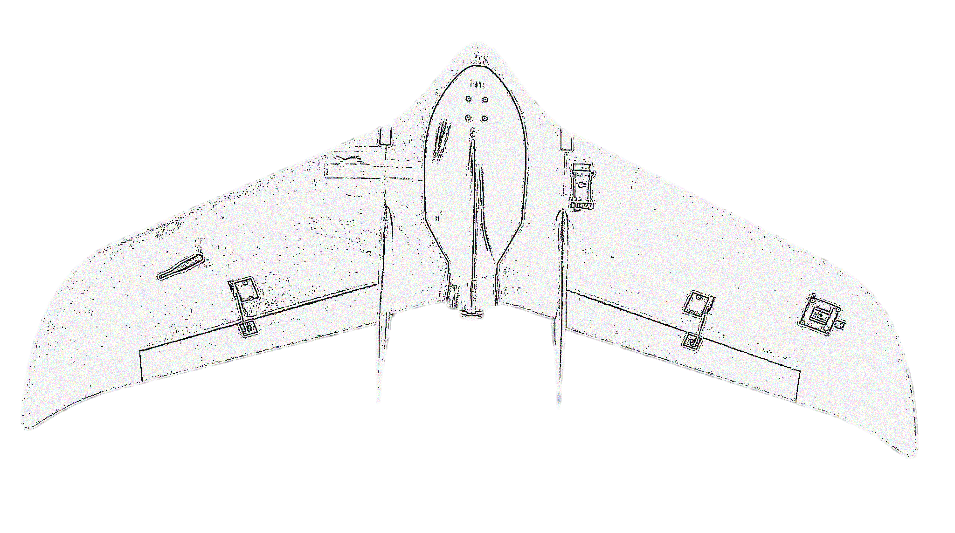
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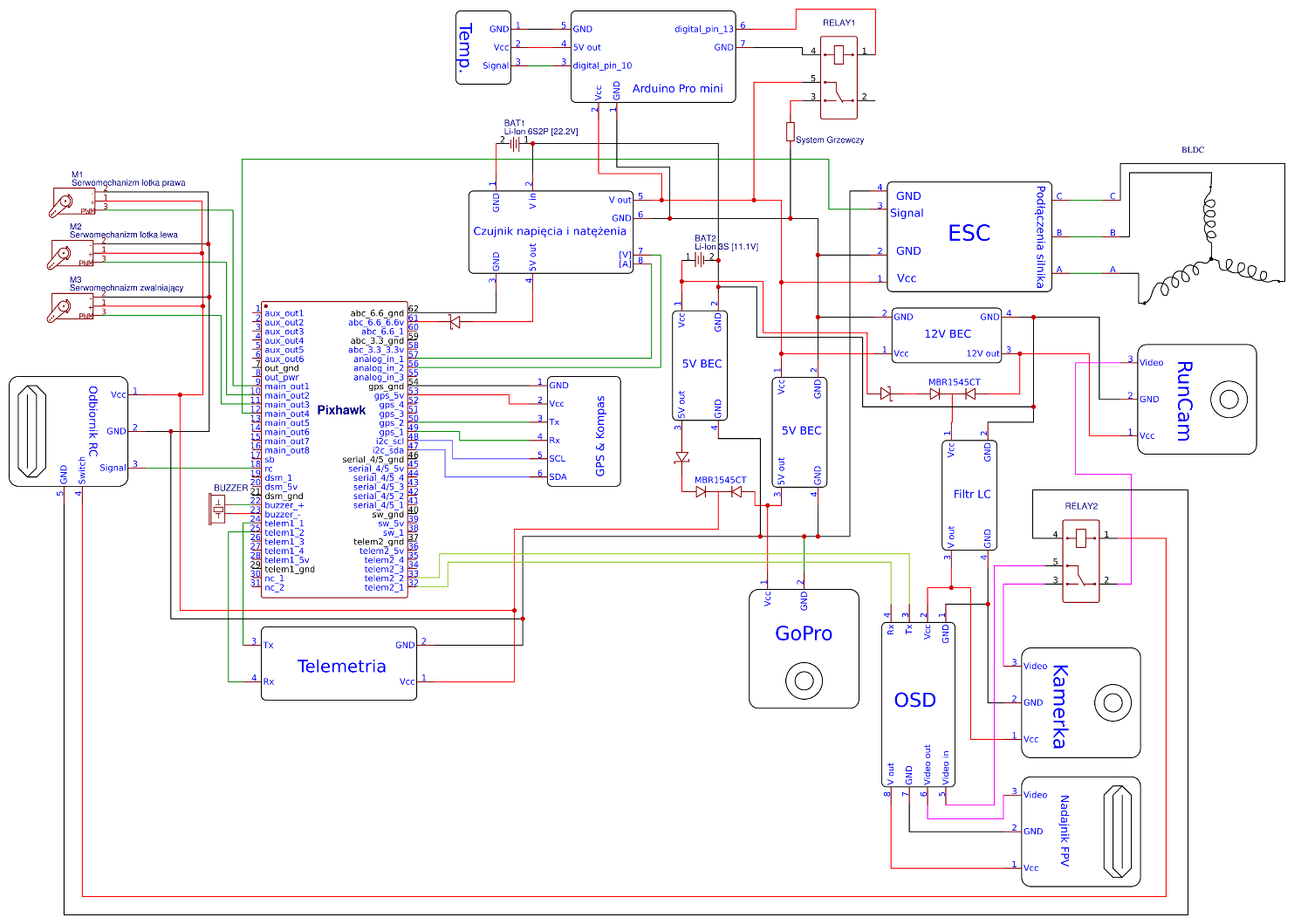
Photography 1 - two out of three HAMAV constructors along with supporters of the project



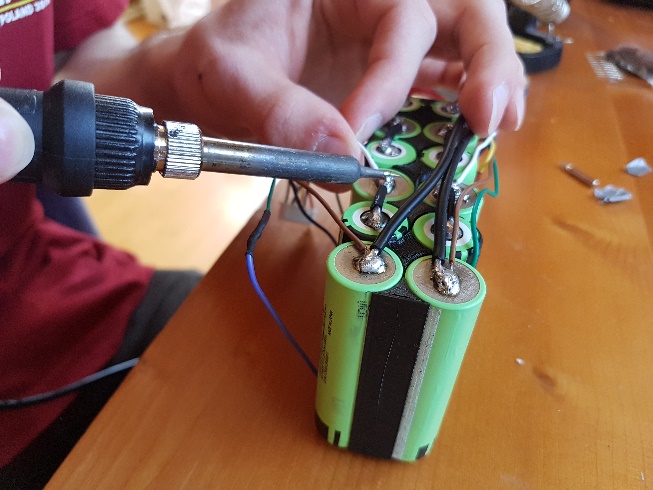
Photography 2 - Zephyr, High Altitude Platform developed by Airbus |Downloaded from: <https://www.airbus.com/search.image.html?tags=products-and-solutions%3Aunmanned-air-systems%2Fzephyr&tagLogicChoice=OR#searchresult-image-all-10>



Photography 3 - draft of HAMAV



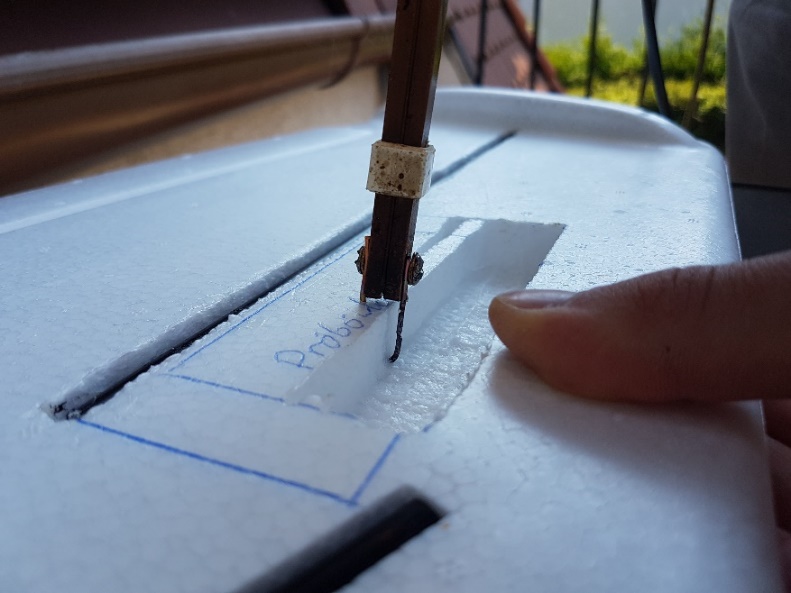
Scheme 1 - electric circuit



Photography 4 - soldering Li-Ion cells



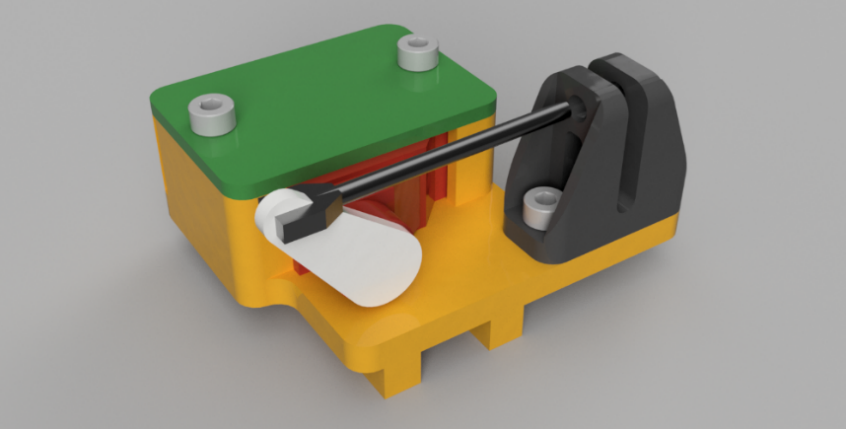
Photography 5 - heating system



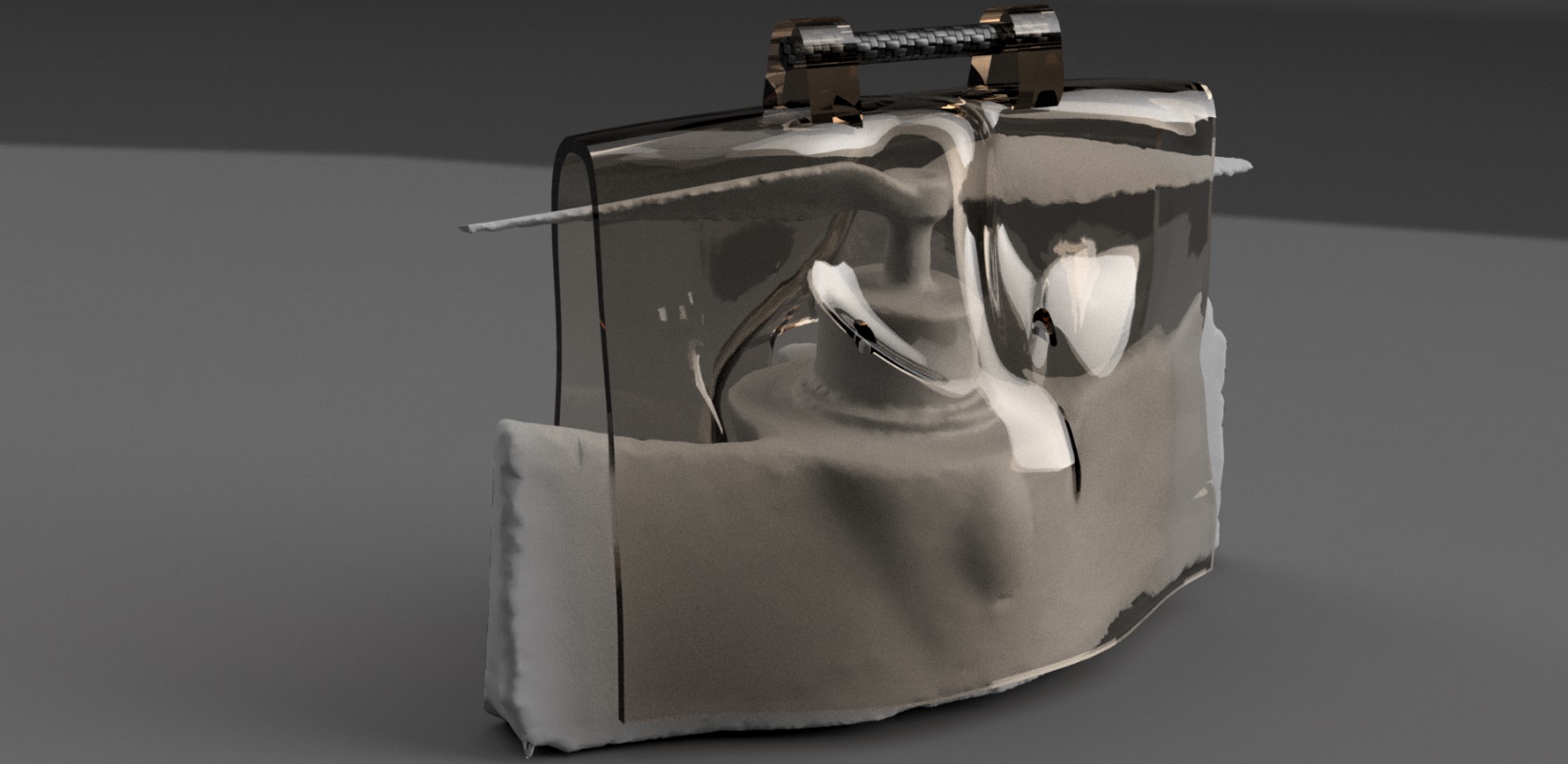
Photography 6 - process of modification of ariframe



Photography 7 - testing servomechanisms in dry ice in order to simulate stratosphere's temperature



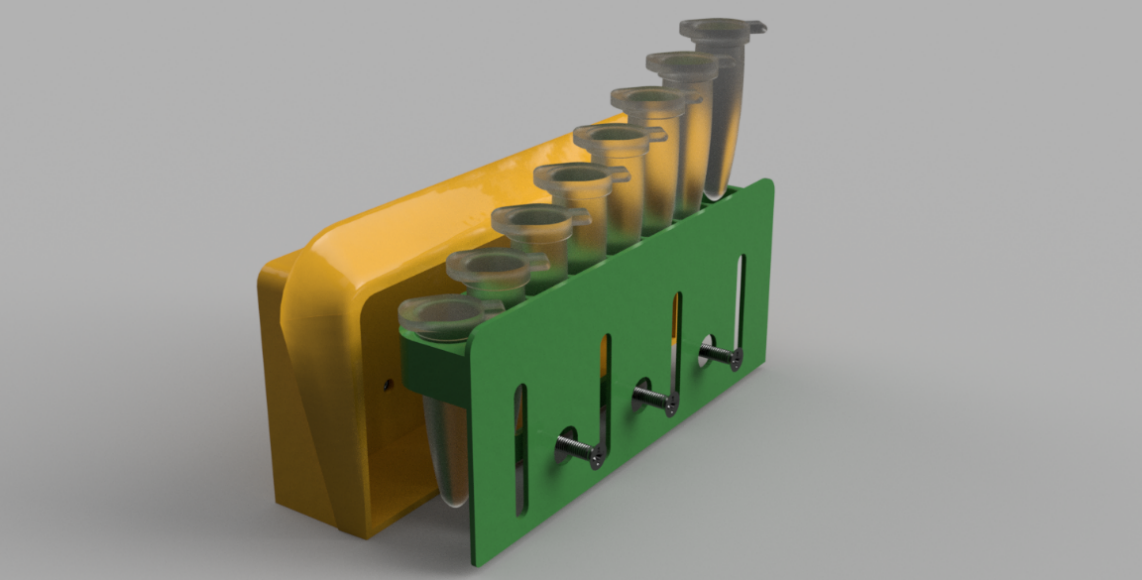
Render 1 - releasing mechanism



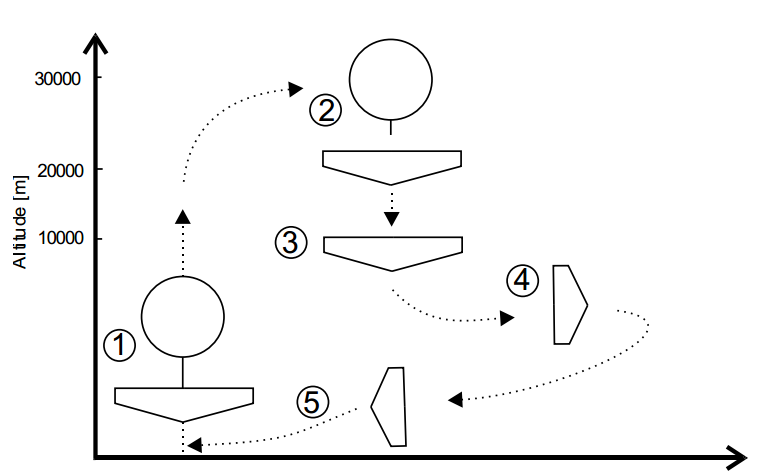
Render 2 - 3D printed stabilizer



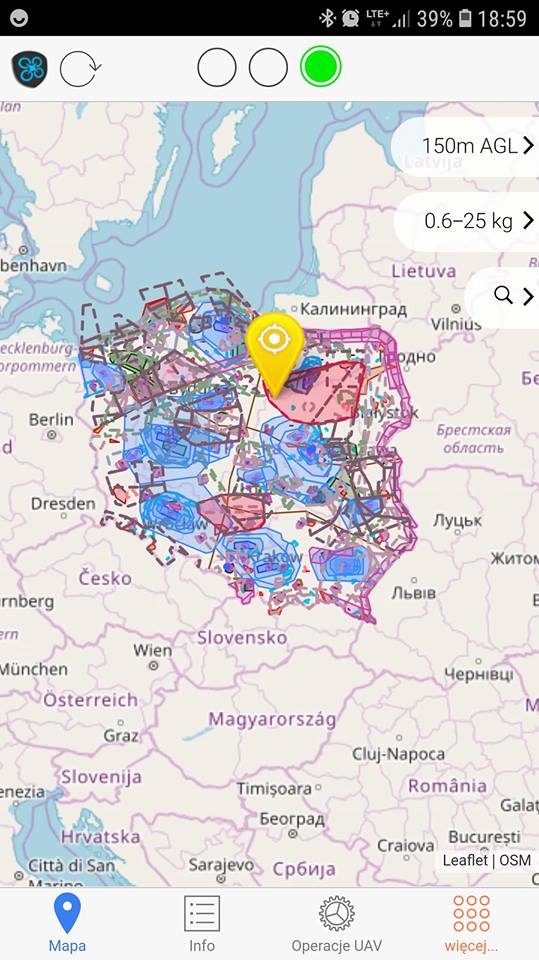
Photography 8 - release mechanism and 3D printed stabilizer at the back of HAMAV



Render 3 - experimental cargo holding bay



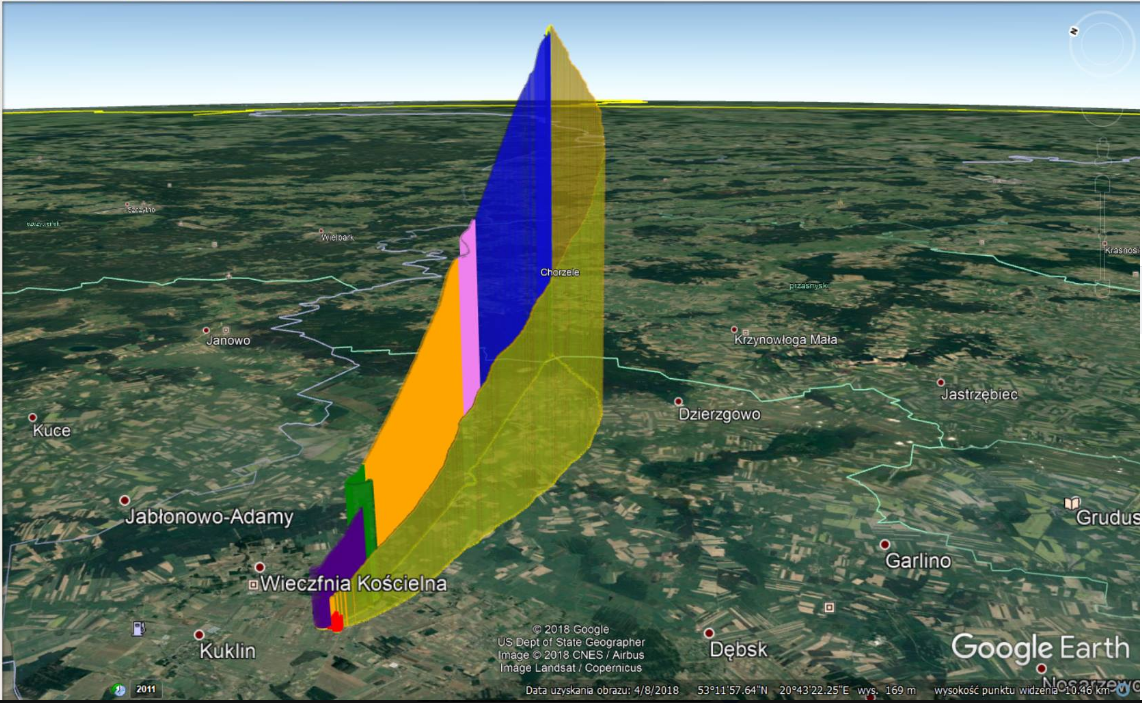
Scheme 2 - procedure; 1. ascension on the balloon; 2. release; 3. free fall; 4. gliding; 5. Landing



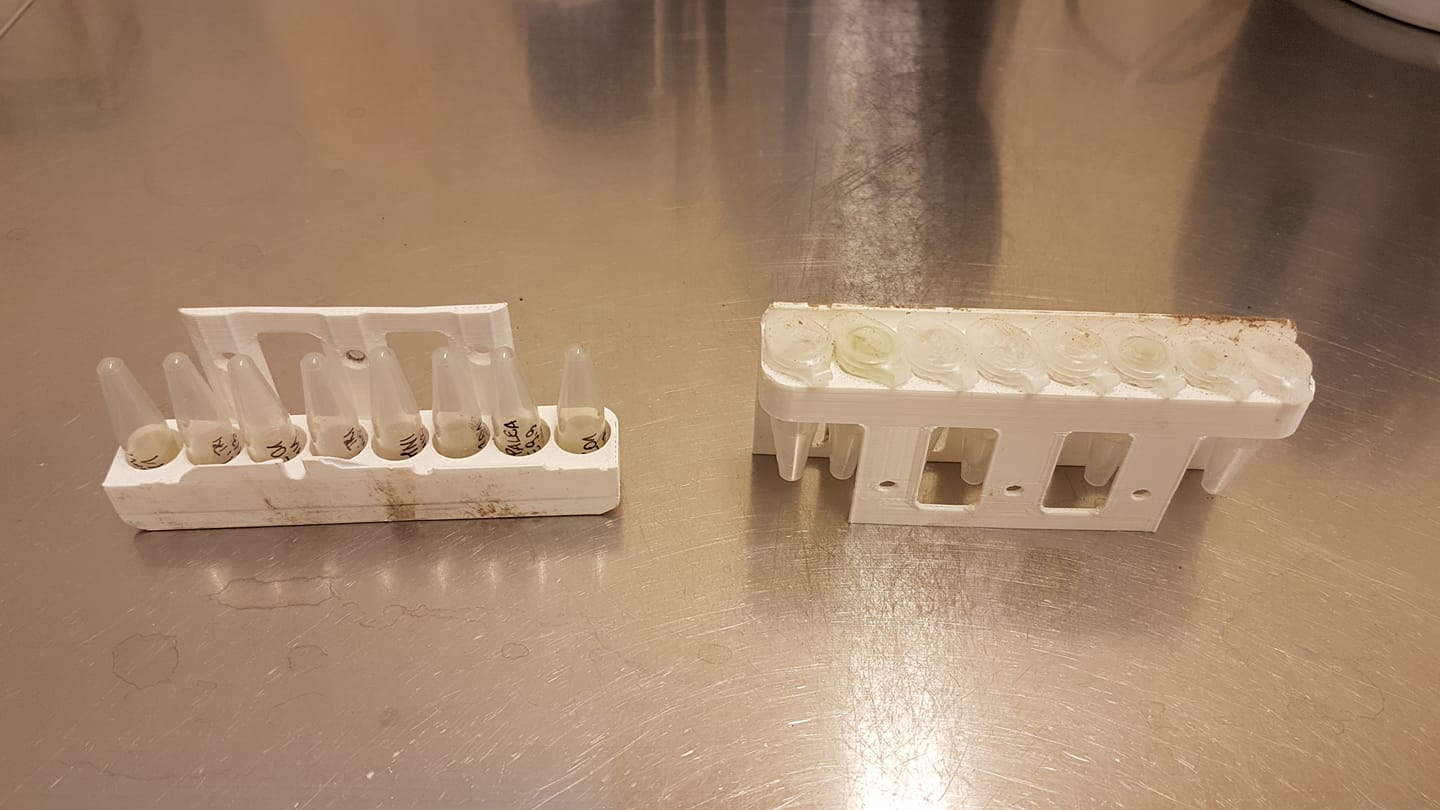
Photography 9 - TRA02 air zone, in which stratospheric flight was conducted



Photography 10 - working prototype



Simulation 1 - flight of HAMAV obtained from data logs



Photography 11 - astrobiological payload after stratospheric flight



Photography 12 - made by HAMAV in the stratosphere



Photography 13 - ground station