

ZGP-P Zajíc's Ground Probe Program

About

Zajíc's Ground Probe Program (ZGP-P) is a program of constructing, building, programming, and developing stationary probes consisting of a microcontroller Arduino or other, and other modules and gadgets, which will be measuring, collecting, displaying, and storing of data. The probes will be advancing, improving, and adding interesting features and functions in each following prototypes over time.



History

The idea of ZGP-P came in 2017 when I encountered Arduino and microcontrollers together with my father while playing with them and watching our country's first mini probe skCUBE going to space. The probe's success motivated us to learn more about microcontrollers. We made the first probe named ZGP-01, and then I came with the idea of making videos about it. I made the video in my native language but abandoned the program because of the school. During the quarantine in 2020, I started programming in Unity and started making videos about it in English. As I had more time to watch something I like, space, I watched almost every launch of SpaceX and some of the others. I was happy with the progress in the aviation industry and their success, so I decided to do something with my life. I restarted the ZGP-P project and continued by remaking the ZGP-01 video. A meanwhile the ZGP-02 was created and the program has got a new breath.

Goals

The goals of this program are to make the probes:

- Self-Sustainable
- Durable
- Energetically independent
- Measuring, Collecting, Storing, and Displaying of some kind of data
- Improving every another ZGP probe

Testing

Every probe should be constructed for certain purposes, function, and test them. We will test every probe and make analyses to determine, where we can improve, advance, and add new features and functions.

Written by TomiZ Dev (TomiZ87) 30.1.2021