



# ELECTRIC JET MICRO-PROPULSION DEVICE FOR CUBESAT NANOSATELLITE

## Project information

- **Project description:** Production establishment based on the model of electric jet micro-propulsion device for cubesat nanosatellite (Micro-propulsion device), which was successfully tested, has a conceptual model and is scheduled for commercial production.
- **The cost and period of project realization:**
  - estimated cost: **\$ 1,2 mln;**
  - estimated implementation schedule: **2 years.**
- **Initiator's resources for the project implementation:**
  - Vacuum equipment for testing and production of Micro-propulsion device.
- **The project main stages:**
  - establishment of Micro-propulsion device production - **for 2 years;**
  - Micro-propulsion device from the 3rd year.



Commercial model

## Project product

**Micro-propulsion device** (which is unique) for CubeSat nanosatellite, which is running on inert gases and halogens, which do not require storage under pressure, with the use of radio-frequency method for obtaining a high speed jet thrust.

## Project unicity

The use of this device can significantly increase the effectiveness and relevance of CubeSat nanosatellite, as well as to solve the problem of removing the satellite from orbit, thus reducing the problem of debris population orbits.

## Project niche

Today, users of micro- and nano-satellites are interested in increasing the term of "life" in orbit, and maximize the value of the satellite. Every 3rd CubeSat to 2020 will be equipped with a Micro-propulsion device, which corresponds to the market needs in the amount of about \$ 1.1 billion.

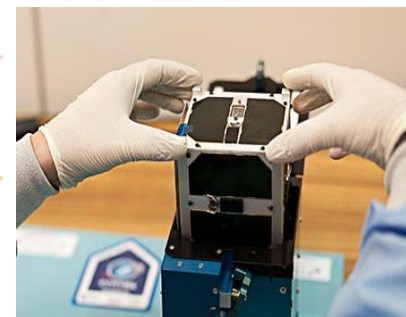
## Form of cooperation

- Credit, venture capital;
- Other joint activities – creation of a joint venture.

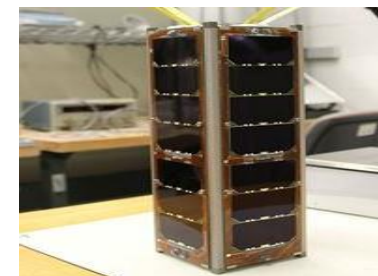
## Project initiator

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CubeSat - 1U  
(size 10x10x10 sm)



CubeSat - 6U  
(size 10x10x60 sm)

