

## Establishment form of TalTech student organisations

### I ORGANISATION DATA

<b>Name of the organisation</b>	TalTech Drone Club
<b>Address of the organisation</b>	Ehitajate tee 5, Tallinn
<b>Telephone</b>	+37258888897
<b>E-mail address</b>	info@droneclub.ee
<b>Web address</b>	<a href="https://droneclub.ee">https://droneclub.ee</a>

#### **Short description of the organisation** *(Overview of the activities, including relations with other organisations and/or membership in a student association and other relevant information)*

TalTech Drone Club is a student organisation focused on advancing education, research and hands-on engineering skills in unmanned aerial systems (UAS) and autonomous drones. We run practical projects and team builds (hardware + software), organise workshops and training sessions, and participate in competitions and applied R&D initiatives. We collaborate with TalTech units, other universities/labs, and industry partners, and we also do outreach to popularise drone technology and responsible, safe use in society.

#### **Summary of organisation's strategy** *(mission, vision, long-term goals)*

##### **Mission**

Build a strong TalTech student community that designs, builds, and tests autonomous drones, developing practical engineering talent through hands-on projects, workshops, and real-world collaborations.

##### **Vision**

TalTech becomes a recognised hub in Europe for student-led UAV autonomy and drone systems.

##### **Long-term goals (3-5 years)**

- Grow a sustainable talent pipeline: onboarding, training, mentorship, and clear project roles.
- Deliver 1-2 flagship drone platforms (e.g., VTOL mapping/inspection drone with swappable payloads) and maintain continuous iteration/testing.

- Build partnerships and sponsorships (software/CAD, components, labs, funding) to support R&D and events.
- Run regular education programs: workshops, build nights, safety training, and knowledge documentation.
- Participate in competitions, demos, and applied pilots (mapping, inspection, search & rescue, environmental monitoring).
- Establish a structured “club track + project/venture track” model so community growth and ambitious engineering projects can scale in parallel.

**Planned and/or ongoing projects/activities\*** (please list the names of planned and/or ongoing projects and provide a short description)

<b>Name of the planned project/activity</b>	<b>The period covered</b>	<b>Short description</b>
TalTech Drone Club Launch & member Onboarding	20.02.2026 – 30.04.2026	Recruiting members, setting up Discord/Notion workflow, onboarding sessions, safety basics, and forming project teams with clear roles and mentors.
VTOL Mapping Drone Prototype (4+1) - Design & First Flight	01.03.2026 – 30.08.2026	Development of a VTOL fixed-wing prototype for mapping/inspection: airframe design, integration of PX4/Pixhawk, propulsion testing, and first flight tests with iterative improvements.
Workshops & Partner Collaboration Series	01.03.2026 – 30.12.2026	Regular hands-on workshops (PX4/QGroundControl, CAD, electronics, flight testing) plus collaboration meetings with partners to support equipment, training, and pilot use-cases.

*\*If the volume of action plan exceeds ten lines, please add it as a final working page to this document.*



**Please describe what kind of added value organisation's activity provides to TalTech student body?**

TalTech Drone Club gives students a hands-on way to apply their studies by building and testing real drone systems.

Members gain practical skills (CAD, electronics, embedded/autonomy software, teamwork and project management), improve employability, and join an interdisciplinary community with mentorship and clear project roles.

The club also boosts TalTech's visibility through demos, competitions, and industry/research partnerships.

## II ROOM APPLICATION

*(completed only if the organisation requests to apply for using a room that is administered by TalTech Student Union)*

**Organisation has a room** *(please underline the correct answer)*

- Yes
- No

**Organisation's room marking/number**

**Purpose of the room use** *(please describe for what the room is used, what is the need of the room use and/or what are the characteristics of a suitable room)*

A dedicated workspace for TalTech Drone Club activities: team meetings, member onboarding, workshops (electronics/soldering, CAD reviews, setup), and assembly/testing of drone prototypes. A suitable room should support small group work and safe equipment storage, with tables, power outlets, and the ability to keep tools/components securely between sessions.

**Direct impact of the room use on the development of the organisation** *(what kind of goals it helps to achieve; please list activities that cannot take place without a room or if you do not have your own room yet, then what kind of changes will be made in the next year's action plan if the room is acquired)*

A dedicated room would significantly increase the club's capacity and reliability: it enables regular weekly build/workshop sessions, secure storage of tools and components, and faster iteration on prototypes. Activities like electronics assembly/soldering, hardware integration, and structured onboarding trainings are difficult or impossible without a fixed workspace.

If the room is acquired, next year's action plan will add a stable weekly schedule (workshop + build nights), a formal onboarding program each semester, and continuous prototype development/testing supported by organised equipment management and documentation.

**Members' access to the room** *(how many people use the room, who has the access to the room and/or if you do not have your own room yet, then who are you planning to give the access to)*

The room would be used by approximately 10-20 active members (with growth planned during the year). Access would be granted to the board and designated project leads (typically 3-6 people) for opening/closing and equipment responsibility. Other members would use the room during scheduled club sessions (workshops, build nights, meetings) under supervision, with access managed via a sign-in/logbook and clear safety and storage rules.

### III MANDATORY DOCUMENTS

**Mandatory additional documents** *(please provide digitally along with the form)*

- **List of organisation's members** *(please also describe the number and percentage of how many members are TalTech students and how many of them are active, passive, former students, foreign students, etc.)*
- **Organisation's current memorandum of association** *(foundation statute of an Estonian non-profit association that regulates your organisation juridically)*

**IV REGISTRATION OF THE ESTABLISHMENT FORM**

I confirm with my signature that:

- 1) all information provided in the form is correct and complete;
- 2) all documents submitted in the form are valid and correct.

Name of the organisation's representative: Eduard Baranovskyi

Date: 22/02/2026

*/Digitally signed/*