# Remote Pilot Training Programme

lmt

What are the gains?

- Educated pilots with the necessary knowledge in using unmanned aerial vehicles (UAV)

- Remote pilots who are knowledgeable in UAV normative regulations in the European Union and on a national level

- Mastery of UAV pilot skills

- Readiness to pass examinations at the Civil Aviation Agency (CAA)

- A programme that is adjustable to the customer's specific needs
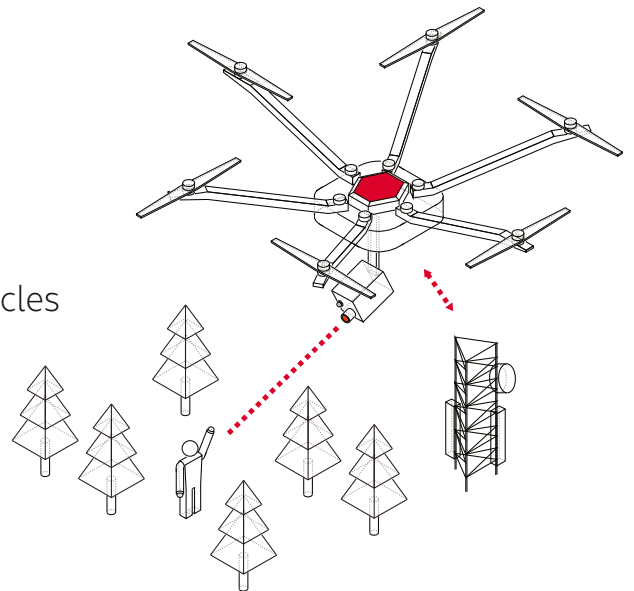
LMT is actively involved in preparing the Latvian airspace for the use of drones

LMT innovations

Expanding our operations and opening new possibilities in developing various innovative solutions, for more than 3 years LMT has been actively investing in the direction pertaining to drone technology and development of a drone traffic management system. As the leading mobile operator in Latvia, we have started the development of 5G technologies in the country and acknowledge the large possibilities that a wide and high-quality data network gives to drone management.

Information safety

We have improved our staff's professionalism in planning and developing such specific solutions. LMT has received an Industrial Safety Certificate. We have received three ISO certificates: ISO 9001, ISO 14001, ISO 27001. This confirms that the LMT integrated management system, which includes the management and improvement of information security, quality and environment, has been audited and complies with the requirements of international standards.

Offer

Launching and landing an unmanned aerial vehicle can usually be achieved by anyone who tries it. But questions arise when an unmanned aerial vehicle is already in the air. What to focus on? What is the right way how to act in this moment? What to do if the aircraft does not move or flies away?

We invite you to learn the rules of air traffic and to get closer acquainted with its participant – unmanned aerial vehicle – before flying! The LMT Remote Pilot Training Programme is designed so that its participants would acquire the necessary theoretical knowledge and the practical skills to feel safe and confident when starting their first independent flights with an unmanned aerial vehicle.

Training process

Target audience

Companies and self-employed persons who use unmanned aerial vehicles or drones in their commercial activities or plan to use these technologies in their economic activities.

Venue

The theoretical part of the training takes place in person at the LMT Freedom Center, Ģertrūdes Street 12, Riga (https://brivibascentrs.lmt.lv/), or remotely on Zoom or MSTeams platforms.

The practical part of the training takes place in a place suitable for piloting UAV near Riga (Baloži, Rumbula, Ādaži).

By agreement, the training can take place at a place chosen by the customer.

Type of training

Structured interactive work based on practical tasks. During the training, the theoretical knowledge and the acquired normative regulation are immediately strengthened by practical tasks and exercises, open discussions, exchange of experience between the teacher and the trainees, getting acquainted with examples of remote control practice in Latvia and in the world.

In order to better master theoretical knowledge and practical skills, UAVs are used during the training. LMT can provide UAV as needed, by prior agreement with the customer.

The training will be even more effective for the participant if they take with them the drone which will be the next remote pilot's work instrument.

Training programme

Theoretical part of the training

1. History
How it all started – the first use of UAV in history, aircraft development and technological prerequisites.

2. Unmanned aerial vehicle
UAV structure – the most important components, their interaction and role in flight safety.

3. Piloting and control
UAV control devices and peculiarities of their use.

4. Unmanned aerial vehicle manufacturer's manual
Key technical indicators of UAV, the clash between reality and the theoretical possibilities.

5. Regulatory framework
Discussion of the European Union and national regulations – with which UAV can I fly, how big a distance must I keep from non-flight persons or environmental objects, what are the responsibilities of the pilot and the operator?

6. Airspace
What are the structural elements of airspace and where can they be found? Where, with whom and at what altitude can I fly? What are the permanent restrictions in Latvian airspace? What are temporary restrictions and how are they communicated to airspace users?

Training programme

Theoretical part of the training

7. The human factor
Limits of human capabilities and their impact on flight safety. How to assess your ability to fly safely? What are the main threats posed by our abilities and specific features of our perception?

8. Environmental conditions
The influence of weather, terrain and anthropogenic factors on flight safety.

9. Procedures
Standard procedures, emergency and emergency procedures. UAV inspection before and after the flight, maintenance. What to do if the UAV stops listening to commands? What to do when the situation becomes dangerous for other airspace users or for those on the ground?
Failure settings and their operation.

10. Practical tasks during training
Work with identifying the technical characteristics of an UAV, identification of airspace restrictions and the necessary agreements, finding and analyzing temporary restrictions.

11. Test of theoretical knowledge
Equivalent to the CAA examination (a test).

Training programme

Practical part of the training

1. Activities before and after flight –
accompanied by an instructor, the course participants inspect the flight site, assess the flight conditions, possible obstacles, set up a take-off and landing area, prepare the UAV for the flight and other activities.

2. Action in the case of an emergency –
based on the knowledge acquired in the theoretical course, the participant plans and discusses with the instructor the course of action in emergency situations.

3. Introduction to UAV remote control program –
the course participants study general information about the range of functions and settings of a specific UAV remote control program that is necessary for the flight.

4. Practical training "flight" –
includes a demonstration of flight tasks defined by the CAA (equivalent to the CAA practical examination) and flying the UAV.

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