



QUEBEC
ENGINEERING GAMES²⁰²⁵

🔄 V1 - November 2024

Machine's Logistics Booklet

United for the Games | 34th Engineering Games
From January 3 to 7, 2025 | École de technologie supérieure

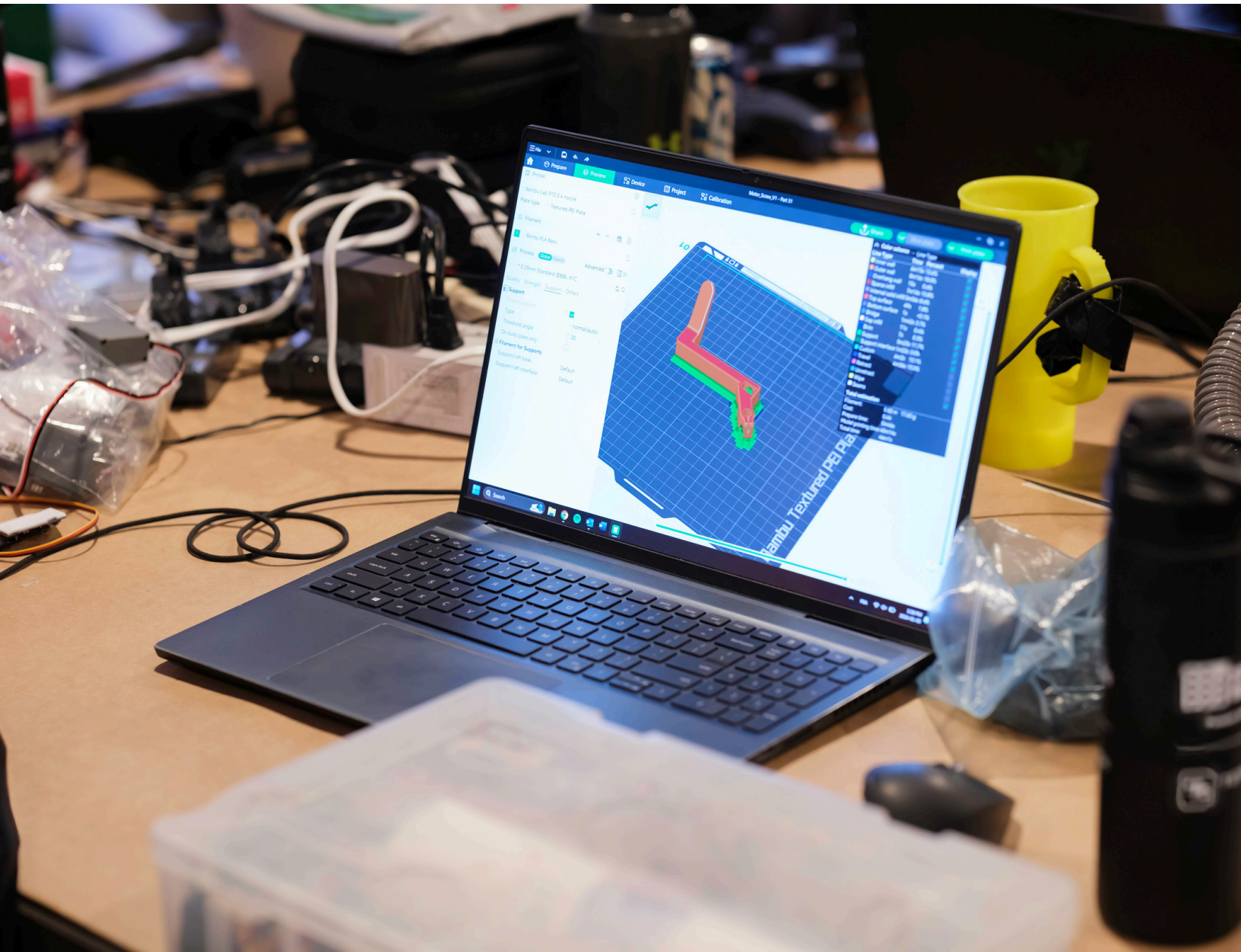


Table of Contents

	Page
Word from the Organizing Committee	3
1 Machine Periods	4
2 Schedule.....	5
2.1 Monday, January 6 – Morning Activities.....	5
3 Tests on the Official Course	6
4 Presentations	6
5 Public Demonstration	6
6 Communication and Questions.....	7

Word from the Organizing Committee

Dear delegations,

The 2025 Engineering Games are fast approaching, and the organizing committee is excited to welcome you to this competition, which celebrates your creativity, ingenuity, and team spirit. Participating in the Engineering Games means tackling technical challenges, collaborating under pressure, and pushing your limits to achieve excellence. Each stage of this event is an opportunity to learn, share, and shine.

We understand that the Machine challenges require intensity and focus, but we also want to remind you of the importance of taking care of yourselves. The Games are a marathon, not a sprint:

- Rest as much as possible to be at your best.
- Stay hydrated and take regular breaks to avoid fatigue.

If you feel stressed or overwhelmed, do not hesitate to speak with a member of the organizing team. We are here to support you.

We wish you a competition filled with success and wonderful discoveries. Regardless of the outcome, you are already winners simply by participating in this exceptional event.

Good luck to all teams, and may your ingenuity make the difference!



The 2025 Organizing Committee Team
JEUX DE GÉNIE²⁰₂₅

Disclaimer

This booklet contains all the necessary information for the logistics of the Machine competition. **The information presented in this document is for guidance purposes only and is subject to change before the Engineering Games.** Stay alert for updates that will be communicated on-site or via our official channels.

1 Machine Periods

Upon arrival at the Games on January 3, your robotic solution must be handed over to the Organizing Committee. You will not be allowed to work on it, except during specific periods called "Machine Periods," when you will be given time to work on your robot.

The Machine periods will take place:

- On Days 1, 2, and 3 in a hotel room.
- On Day 4, during the main day, in a room adjacent to the Olympia venue.

Note that you will have approximately 17.5 hours available to finalize the details of your solution. These periods are intended for final tests and adjustments to the machines in preparation for the finals, as well as to allow for trials on the official course.

Here are some guidelines to keep in mind for these periods:

- The official course will be made available for your tests according to the schedule. (Water trial + Land trial).
- There is room for only one additional course in the hotel room (Land trial only).
- You are not allowed to bring your personal pond or pool to the Games.
- A maximum of four people per delegation is allowed in the Machine Room at any given time.
- Work tables and power outlets will be provided for teams.
- Heavy work (e.g., using angle grinders or other dangerous tools) is prohibited.

2 Schedule

	Friday 3	Saturday 4	Sunday 5	Monday 6
AM	Deposit of materials in the machine room Hôtel Delta 9h45 - 13h			Machine period + Tests on official course Olympia 8h - 12h Presentation Olympia 8h - 12h
PM	Machine period Hôtel Delta 13h15 - 17h45			Machine finals Olympia 13h - 16h15
Evening		Machine period Hôtel Delta 21h - 3h	Machine period Hôtel Delta 21h - 00h	
Night				

2.1 Monday, January 6 – Morning Activities

Several activities will take place simultaneously:

1. Tests on the official course under real conditions.
2. Presentations to the judges.
3. Final Machine period.

All these activities will take place at the Olympia venue.

- Access and Transportation: A maximum of four people per team can travel to the venue, with a bus departure at 7 a.m.
- Preparation before departure: You can collect your robotic solution and small toolbox in the hotel's Machine Room. Large toolboxes must remain on-site.

Items to bring:

- Robotic solution
- Small essential toolbox or bag
- Clean clothes for the presentation



Important Note

Access to the Olympia's Machine Room requires using a spiral staircase.

3 Tests on the Official Course

During the Machine periods, a schedule will be established to allow teams to perform trials on the official course. Each team must adhere to their assigned time slot to ensure fair access to the course.

On the morning of January 6, a final test on the official course will be authorized. This trial, conducted under real conditions, will take place at the Olympia venue and will include the presence of a referee and score counting. The conditions of this trial will be identical to those planned for the public demonstration.

4 Presentations

The presentations will be held in a lounge at the Olympia venue. A maximum of four people per university can participate. The machines will be accessible and can be brought along, but they should not be essential for the presentation to proceed.

5 Public Demonstration

During the trials, each university will be entitled to:

- One Pilot, allowed to move in the piloting zones and restricted areas.
- One Assistant, responsible for helping the pilot, allowed to move in the piloting zones and restricted areas.
- One Repairer, who must remain offstage during the trial but can assist with the initialization and resetting of the robotic solution.

- One support animator who supports the lead animator in engaging the crowd.

Important Note

The support animator doesn't need to be part of the morning machine crew but must be familiar with their university's machine. Having a Parrain or Marrainne is STRONGLY recommended for this role. If this person is absent in the morning, notify the Machine OC.

6 Communication and Questions

During the Games, a dedicated Discord server will be available for the Machine Team during the Machine periods. It will serve to inform you about the order of activities, important announcements, and facilitate collaboration among participants.

For any questions or comments regarding these guidelines, you can contact the Machine Team at the following address:

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