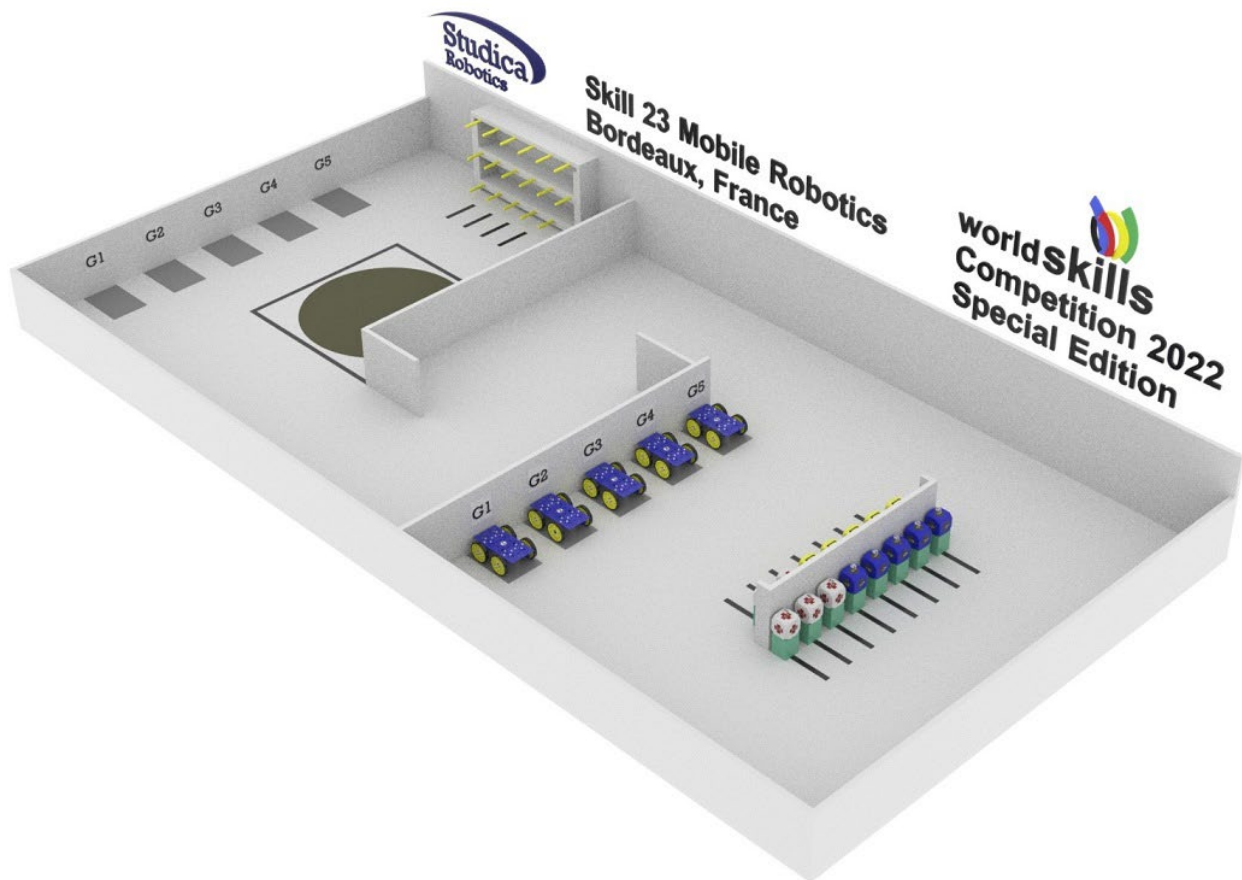


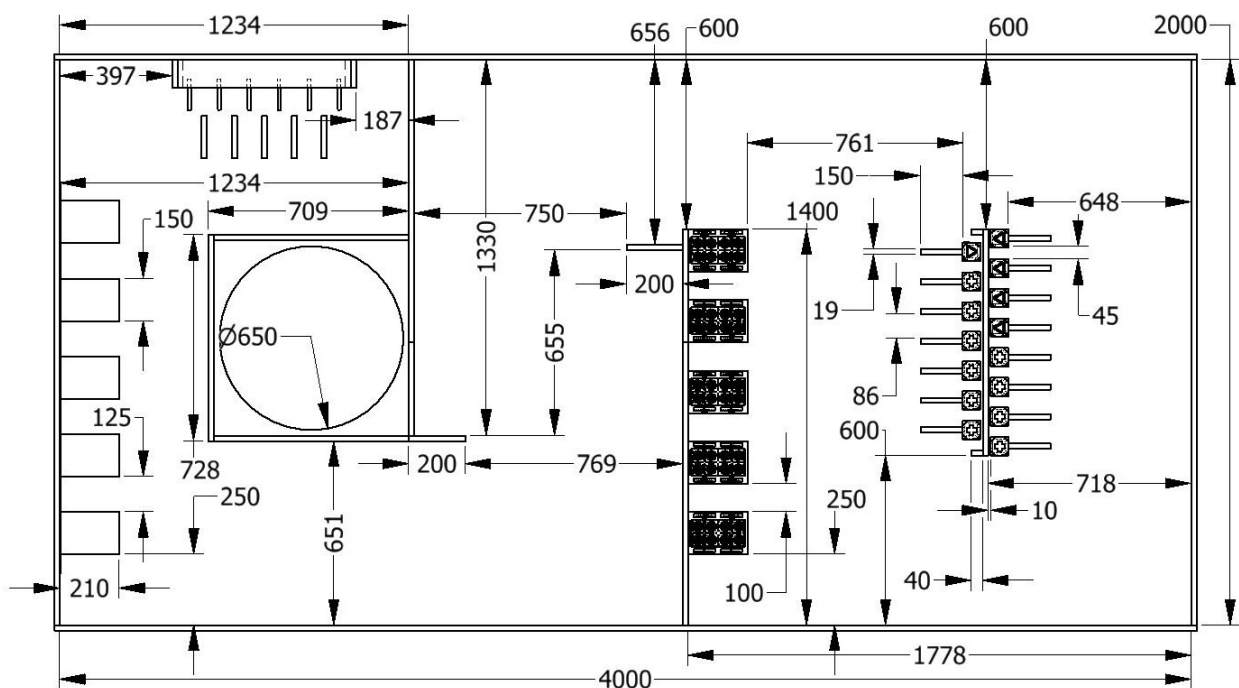
Test Project

Mobile Robotics

Day two – Competitor information



C2 Test Project Performance Environment (Court)



C2 Test Project Performance Environment (Court) Details

C2 Evaluation is focussed on the Robot working in support of the Dispensary.

The Robot's Primary Responsibilities involves moving Gurneys, Medicine and Clean HazMat Cubes from the Supply Room to Designated Locations in the Dispensary.

Competitors will have THREE independent Evaluated Test Project Experiences with each taking place within a 20 Minute Time Block.

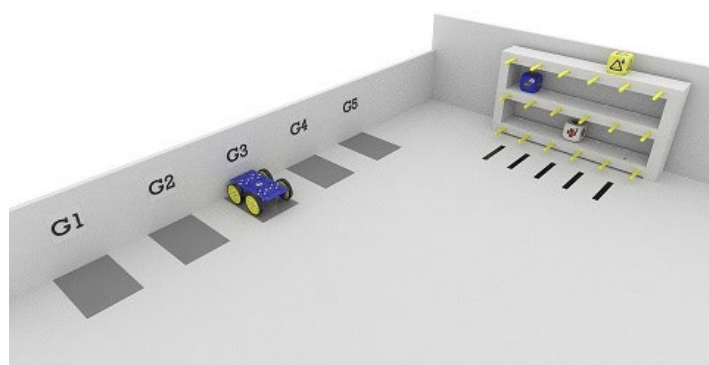
Each Evaluation Time Block will follow this pattern:

1. Competitors report to the court with their robot
2. Competitors place their robot in the court **ON the Home / Sanitation Station Pad Starting Position** with the 'Front' of the robot **FACING** the set of Gurney Pads along the court's End Wall
3. Robots must be **ON the Home / Sanitation Station Pad** at the END of the Evaluated Test Project Run
4. Competitors have a **Maximum of THREE Minutes** to make Final Robot Preparations
5. Competitors **CONFIRM** with the Expert In-charge of the Court that they and their Robot are Ready to Start
6. The Robots have a **MAXIMUM of 10 Minutes (600 Seconds)** to complete their Evaluated Test Project Run
7. **Competitors DO NOT ENTER THE COURT or TOUCH EITHER THEIR ROBOT or ANY COURT ELEMENTS until the Expert In-charge of the court CONFIRMS the Marking Process IS COMPLETE.**

Note:

- There are **NO Special Requirements** related to handling HazMat Cubes given ALL of the HazMat Cubes in the Supply Room are **Clean HazMat Cubes**
- There is **NO Restriction on the Number of Cubes or Gurneys** a Robot may possess at one time
- There is **NO Restriction on the Pattern of Cubes** a Robot may possess at one time.
- Example: A collection of Cubes involving **BOTH Medicine and HazMat Cubes** at the same time is **acceptable**

C2 Evaluation Test Project Runs

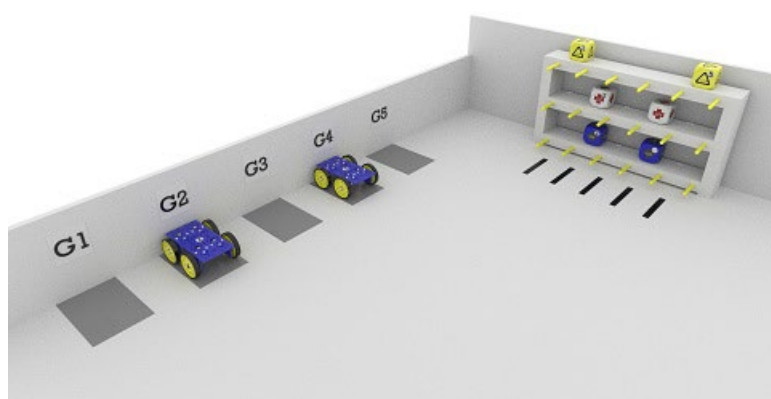


C2 Evaluated Test Project Round ONE

Robots must **Deliver** the following to their Designated Locations in the Dispensary:

1. Gurney 3 to the Gurney Pad Labeled G3
2. White Medicine Cube 3 to the Bottom Shelf in Colum 3
3. Blue Medicine Cube 1 to the Middle Shel in Column 1
4. Clean Yellow HazMat Cube 4 to the Top Shelf in Column 4
5. Robots **MUST** complete the 540 Degree Rotation Sanitation Process as their Final Performance Element
6. Time Marks will be awarded to Competitors completing the **ENTIRE** Test Project in less than 601 Seconds

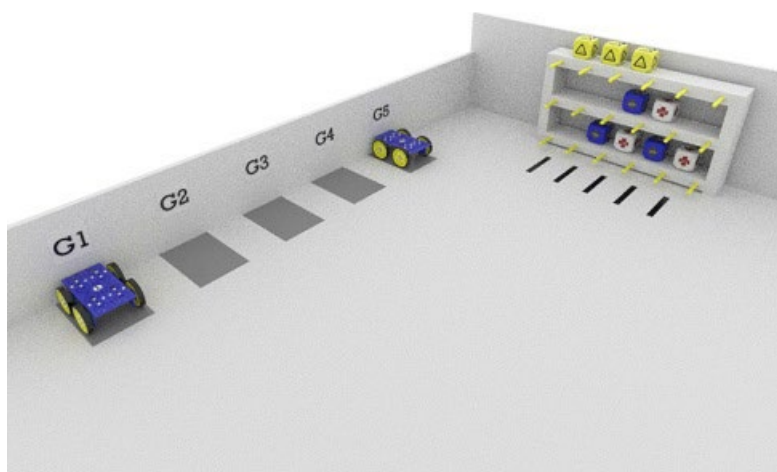
C2 EVALUATION ROUND ONE		RANGE	MARK
1	Blue Medicine Cube One Management	0 to 2	0.40
2	White Medicine Cube Two Management	0 to 2	0.40
3	HazMat Cube Management	0 to 2	0.40
4	Gurney Management	0 to 2	0.80
5	Robot Sanitation	0 or 1	0.20
6	Time: (Fastest Team Time / Team Time) X 1.0	0 to 600	1.00
Round One Total			3.20



C2 Evaluated Test Project Round TWO Robots must **Deliver** the following to their Designated Locations in the Dispensary:

1. Gurney 2 to the Gurney Pad Labeled G2
2. Gurney 4 to the Gurney Pad Labeled G4
3. Blue Medicine Cube 2 to the Bottom Shelf in Column 2
4. Blue Medicine Cube 4 to the Bottom Shelf in Column 4
5. White Medicine Cube 2 to the Middle Shelf in Column 2
6. White Medicine Cube 4 to the Middle Shelf in Column 4
7. Clean Yellow HazMat Cube 1 to the Top Shelf in Column 1
8. Clean Yellow HazMat Cube 5 to the Top Shelf in Column 5
9. Robots MUST complete the 540 Degree Rotation Sanitation Process as their Final Performance Element
10. Time Marks will be awarded to Competitors completing the ENTIRE Test Project in less than 601 Seconds

C2 EVALUATION ROUND TWO		RANGE	MARK
1	Blue Medicine Cube One Management	0 to 2	0.40
2	Blue Medicine Cube Two Management	0 to 2	0.40
3	White Medicine Cube One Management	0 to 2	0.40
4	White Medicine Cube Two Management	0 to 2	0.40
5	HazMat Cube One Management	0 to 2	0.40
6	HazMat Cube Two Management	0 to 2	0.40
7	Gurney One Management	0 to 2	0.80
8	Gurney Two Management	0 to 2	0.80
9	Robot Sanitation	0 or 1	0.20
10	Time: (Fastest Team Time / Team Time) X 1.0	0 to 600	1.00
Round Two Total			5.20



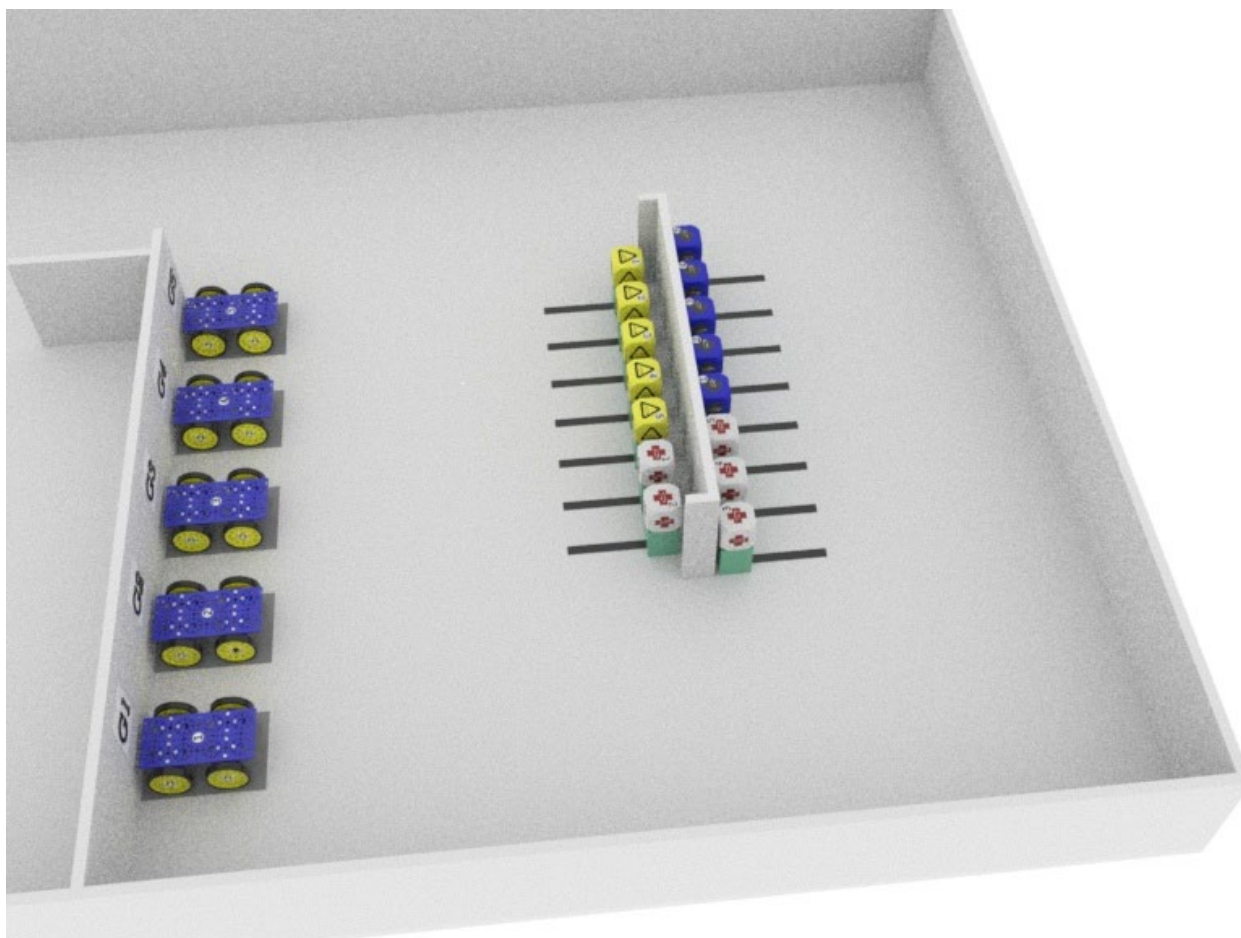
C2 Evaluated Test Project Round THREE

Robots must **Deliver** the following to their Designated Locations in the Dispensary:

1. Gurney 1 to the Gurney Pad Labeled G1
2. Gurney 5 to the Gurney Pad Labeled G5
3. Blue Medicine Cube 2 to the Bottom Shelf in Column 2
4. Blue Medicine Cube 4 to the Bottom Shelf in Column 4
5. Blue Medicine Cube 3 to the Middle Shelf in Column 3

6. White Medicine Cube 3 to the Bottom Shelf in Column 3
7. White Medicine Cube 5 to the Bottom Shelf in Column 5
8. White Medicine Cube 4 to the Middle Shelf in Column 4
9. Clean Yellow HazMat Cube 1 to the Top Shelf in Column 1
10. Clean Yellow HazMat Cube 2 to the Top Shelf in Column 2
11. Clean Yellow HazMat Cube 3 to the Top Shelf in Column 3
12. Robots MUST complete the 540 Degree Rotation Sanitation Process as their Final Performance Element
13. Time Marks will be awarded to Competitors completing the ENTIRE Test Project in less than 601 Seconds

C2 EVALUATION ROUND THREE		RANGE	MARK
1	Blue Medicine Cube One Management	0 to 2	0.40
2	Blue Medicine Cube Two Management	0 to 2	0.40
3	Blue Medicine Cube Three Management	0 to 2	0.40
4	White Medicine Cube One Management	0 to 2	0.40
5	White Medicine Cube Two Management	0 to 2	0.40
6	White Medicine Cube Three Management	0 to 2	0.40
7	HazMat Cube One Management	0 to 2	0.40
8	HazMat Cube Two Management	0 to 2	0.40
9	HazMat Cube Three Management	0 to 2	0.40
10	Gurney One and Two Management	0 to 4	1.80
12	Robot Sanitation	0 or 1	0.20
13	Time: (Fastest Team Time / Team Time) X 1.0	0 to 600	1.00
Round Three Total			6.60



The picture above displays the Start of an Evaluated Test Project Run Supply Room Setup