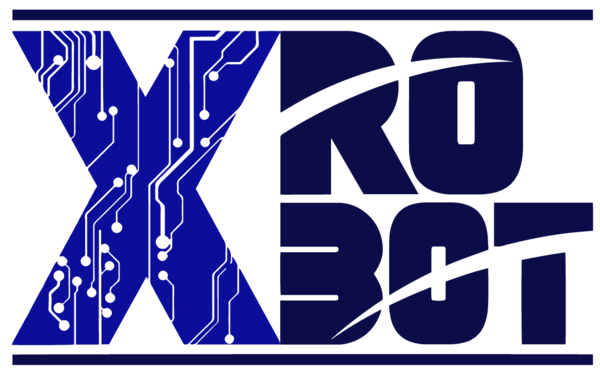
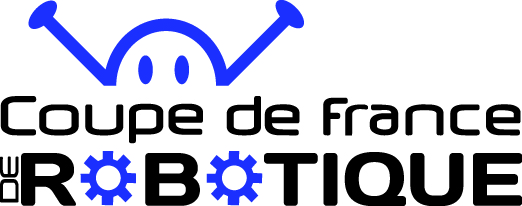
**System requirement specification R2**

**Robot**

**deadline 10th April**

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1. Position

|  |  |
| --- | --- |
| REQU 1 | The robot shall always know it’s own position with a precision of 10cm |

2. Avoiding collisions

|  |  |
| --- | --- |
| REQU 2 | The robot shall be able to detect an obstacle in its path up to 200mm ahead of him |
| REQU 3 | The robot shall be able to stop in less than 100mm |

3. Scoring

|  |  |
| --- | --- |
| REQU 4 | The robot shall determine the best place to put an atom |
| REQU 5 | The robot shall be able to push an atom |
| REQU 6 | The robot shall be able to determine the path to take in order to put an atom in the periodic table |

**design**