

catapult at the rear of the elevating device, we may need to properly distribute the Robot's center of gravity. Additionally, the national competition Robot needs to address the issue of the previous version's inability to side-elevating. Side-elevating can still be competitive in certain specific situations.

dual-sided
Wings

4. consideration of dual-sided wings

As this version of Robot will participate in the skills challenge, we may consider creating dual-sided wings to expand the radius for pushing Triballs and increase the number of Triball pushed. By controlling the dual-sided wings with separate solenoid valves, we can also avoid losing the original functionality of the single-sided wing in the passage. However, dual-sided wings may occupy the space originally intended for the small arm used for AWP. Therefore, we still need to carefully consider the trade-off.

The above is the overall design concept for our national competition robot. Over the next few weeks, we will fabricate the Robot according to this plan.



project Brain Storm

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date: 11.15