

## ASME Hong Kong Section Student Design Competition 2024

### Harvesting the Sun and Wind

#### Questions and Answers (Dated 2 March 2024)

1. When calculating the Size Box Factor, all weights will be included (Rule No. 2). If we use different weights (which will lead to different heights) for different trips in a round, the maximal height will be counted to calculate the Total Score (Rule No. 16). Is it correct?  
Reply: There is only one Size Box Factor which will be measured before the beginning of the competition. The vehicle and all other accessories should be stored inside the box and it is only one box.
2. Rule No. 6: A remote controller operated by one team member will control the movement of the device. For loading and manual unloading, they can be operated by other team members. Right?  
Reply: Yes
3. In the unloading area, can the vehicle unload while moving? i.e., need not stop and then upload?  
Reply: Agreed, it is not necessary to stop while unloading.
4. How to judge if any part of the vehicle moves outside the field? Disqualify the competition, or just lose the score of this trip in a round?  
Reply: There will be penalty instead of total disqualification. The judging panel will decide the degree of penalty.
5. How to prove that wind power is used?  
Reply: The team will have to explain to the judging panel whether wind or light energy is used, or both sources of energy are used.
6. If we don't need to use up all 20 minutes of charging, are we allowed to start the game immediately after charging, instead of waiting until the full 20 minutes before playing?  
Reply: Not agreed. We set the setting time (including charging time) 20 minutes before the race begins, see Rule 12.