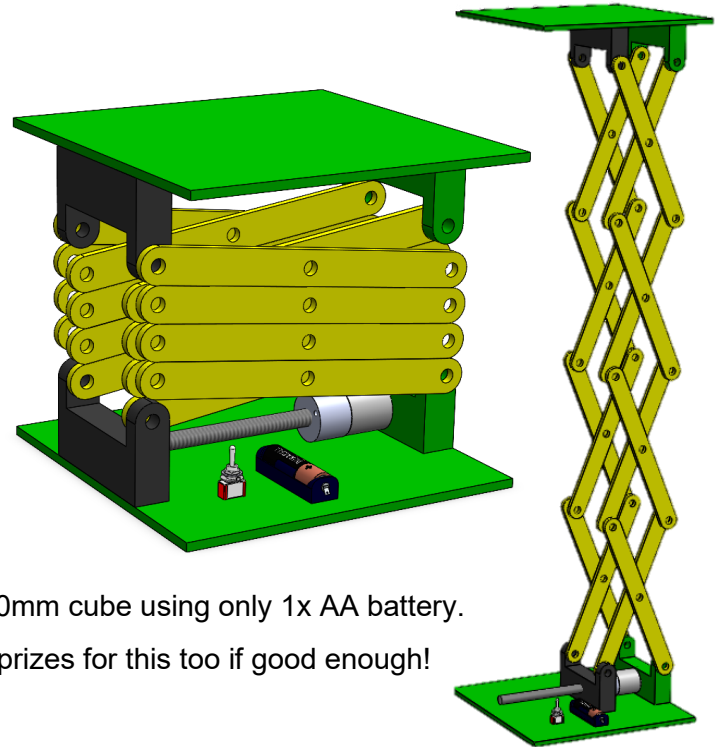
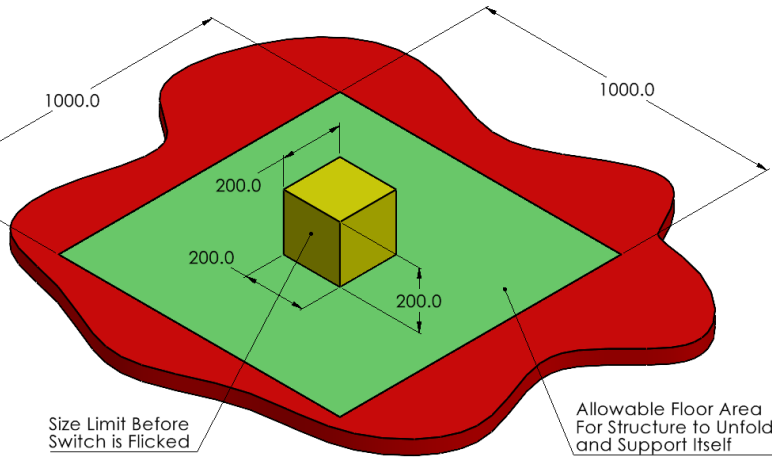


Fieldhouse Challenge: 'Tallest Tower'



1. Overview

£1000 to the tallest tower that grows from a 200x200x200mm cube using only 1x AA battery. Novel design ideas are encouraged, and we may award prizes for this too if good enough!

2. Details

Tower Material	Any material that is of greater density than air can be used. (Must be safe to handle and NO EXPLOSIVES!!)
Tower Weight	As much as you like.
Ground and Event Conditions	Smooth concrete floor - It is relatively level and flat when compared to most floors, but we will not be disclosing an exact flatness value. (As we do not know it!) Allowable floor area to unfold and support is 1m x 1m as per diagram. Event will be held indoors with the roller shutter door closed.
Recumbent Size Limit	200x200x200mm – before the switch is flicked.
Power Supply Restrictions	1x New Duracell Simply AA 1.5V Battery – These will be provided by us on Competition Day, and the inserting procedure must be simple and intuitive. The Battery will be the only energy source. Energy can only change state after the switch is flicked. The air can't be used to generate thrust.
Tower Measuring Process	Recumbent tower will initially be placed on the floor and the switch turned off. The time will start when the switch is flicked. The switch needs to be simple, accessible, and intuitive. The height of the structure will be measured after 5 minutes has passed. The height must be maintained for at least 30 seconds.
Postal Address	Unit 7, Heathfield Industrial Estate, Taunton, TA2 8GR
Postal Deadline	Needs to arrive by the 3 rd Sep 2021 to stand a chance of winning. UK: We ask for £5 if you'd like it back. International: £15 if you'd like it back.
Categories	There are no categories, everyone will be competing against each other
Cost to Enter	Free
Prize	£1000.00

Note that the competition will be completely remote - all structures are to be posted to us and we will record all the entries. The full results list will be available and published as soon as possible after the 3rd of Sep.

'Fieldhouse Challenges' are organised and run by **Fieldhouse Engineering Ltd**, a UK Engineering Firm