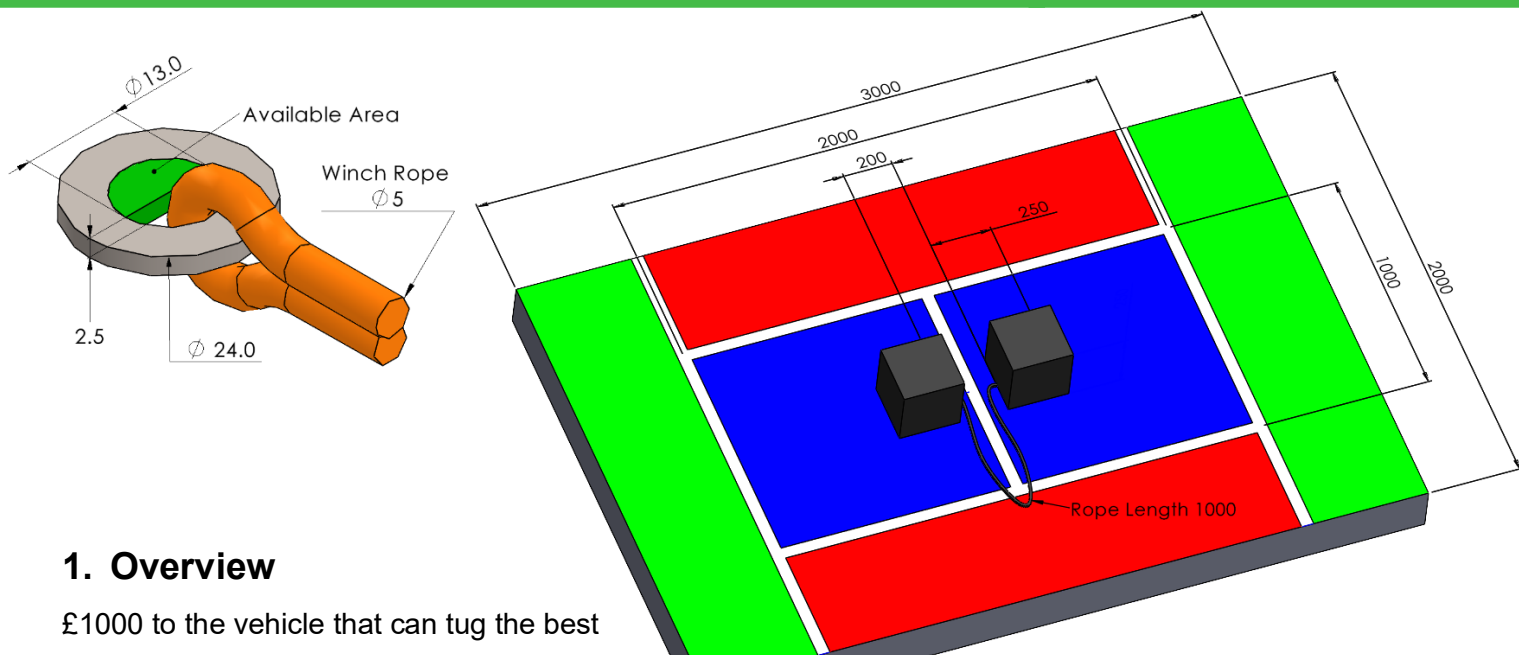


# Fieldhouse Challenge: 'Tug of War'



## 1. Overview

£1000 to the vehicle that can tug the best

This will be a knockout tournament so make sure your vehicle can last a few rounds!

## 2. Details

<b>Event Overview</b>	Contestants will be paired off randomly at each stage, if there is an odd number in a round there will be house bots to compete with.
<b>Conditions</b>	Industrial units smooth concrete floor, it may contain a small amount of dust Synthetic winch rope will be used with a 13mm ID x 24mm OD washer 2.5mm Thick – At least half of the internal area will be available for securing to vehicle.
<b>Vehicle Restraints</b>	Max: 250mm Long, 250mm High, 250mm Wide, 500g inc. batteries.
<b>Ways to win</b>	Get 100% of the vehicle into the green zone. Get further from the centerline than your opponent after 1 minute. There will only be 1 attempt and winner will go through to next round.
<b>Ways to lose</b>	Enter the airspace of the red zone. Enter the airspace of the opponent's blue zone. Rope detaches from vehicle or touches vehicle. (The loser gets knocked out and doesn't progress in tournament)
<b>Power Supply Restrictions</b>	4x New Duracell Simply AA 1.5V Batteries – These will be provided by us on Race Day, and the inserting procedure must be simple and intuitive. The Batteries will be the only energy source. Energy can only change state after the switch is flicked. Batteries will be replaced with new ones after each round.
<b>Vehicle Starting Process</b>	Vehicles will initially be placed in the starting areas and the switch off. The timer will start when both the switches are flicked. The switch needs to be simple, accessible, and intuitive. There will be no resetting any part of the vehicle between rounds (except batteries).
<b>Postal Address</b>	Unit 7, Heathfield Industrial Estate, Taunton, TA2 8GR
<b>Postal Deadline</b>	Needs to arrive by the 29 <sup>th</sup> of July 2022 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.
<b>Categories</b>	There are no categories, everyone will be competing against each other.
<b>Cost to Enter</b>	Free
<b>Prize to winner</b>	£1000.00

Note that the competition will be completely remote - all vehicles 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 deadline.

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