

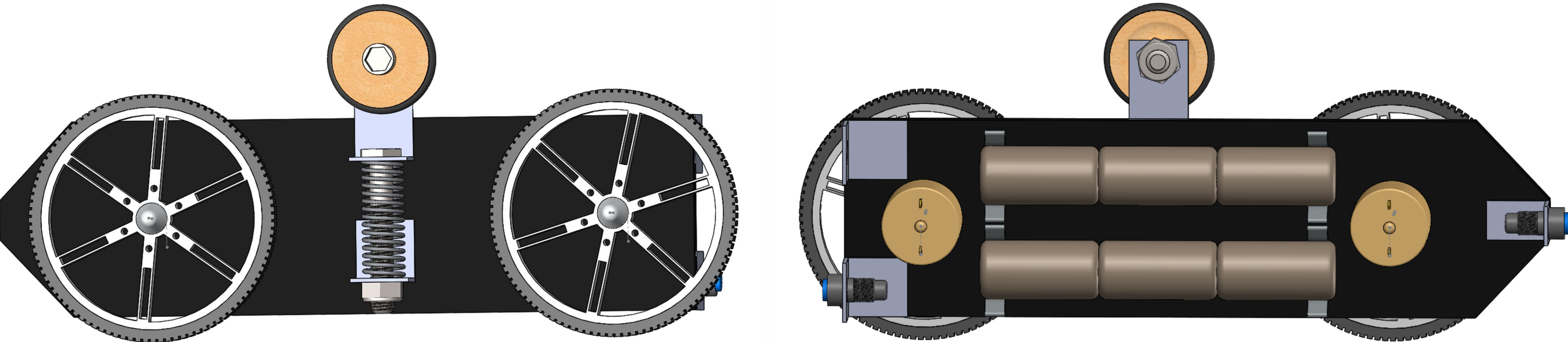
Internal Pipe Climber Project

Jordan Jenkins, Ryan James, George Jones, Aaron Howitt

R Morgan & P Monteiro-Ferreira

School of Engineering

Year 1 Engineering Design Project



Battery Power	Dual Motor	Variable Suspension	Compact	Electronic Reverse
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- Nickel–Metal Hydride (NMH)
 - 9.6 v
 - 1,600 mAh
 - Retro-fit Tamiya connector for charging
- 1,200 rpm
 - 6 v
 - ABS driven wheels
 - Grooved rubber tyres
- Mechanical suspension
 - Adjustable spring pre-load
 - 40 mm stabilising wheel
 - Smooth rubber tyre
- Latching switch
 - Double Pole, Double Throw
 - Self switching application
 - Separate switch for power isolation
- 5 mm Acrylic chassis
 - 220 x 70 mm & tapered nose
 - Drilled for securing additional components
 - Carabiner hook attachment

The prototype is fully functioning and adheres to all design regulations

Mounting components to the rigid chassis offers superior protection and control

Demonstration of Working Prototype