





Cockpit




Buckle up and get ready to take off in a chopper like apparatus



A structure that simulates a helicopter's flight while sitting in a cockpit-like carrier. The child or adult will first elevate the apparatus by operating a handheld pump. Once airborne will pedal with their feet to initiate propeller motion and control the speed of flight. The energy generated by the manual work will be converted to light up the entire structure.

Specification

 Age	3+
 Accomodates	1
 Area	49.0 Sq m 527.2 Sq ft
 Overall Height	4.2 m 13.78 ft

100-HLCPTR	Patent pending
 Overall Weight	1,698 Kg 3,735.6 lbs
 In Ground Depth*	1.3 m 4.26 ft
 Installation Time**	8 Hours
*Including concrete foundation	
**Not including concrete foundation	
	Crane is required

Laws of Physics

Lift force • Torque • Centre of gravity
Aerodynamics • Inertia

Alternative Energy

Manual operation of a hydraulic system
Electricity → Mechanic energy
Lift Force → Mechanic energy







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