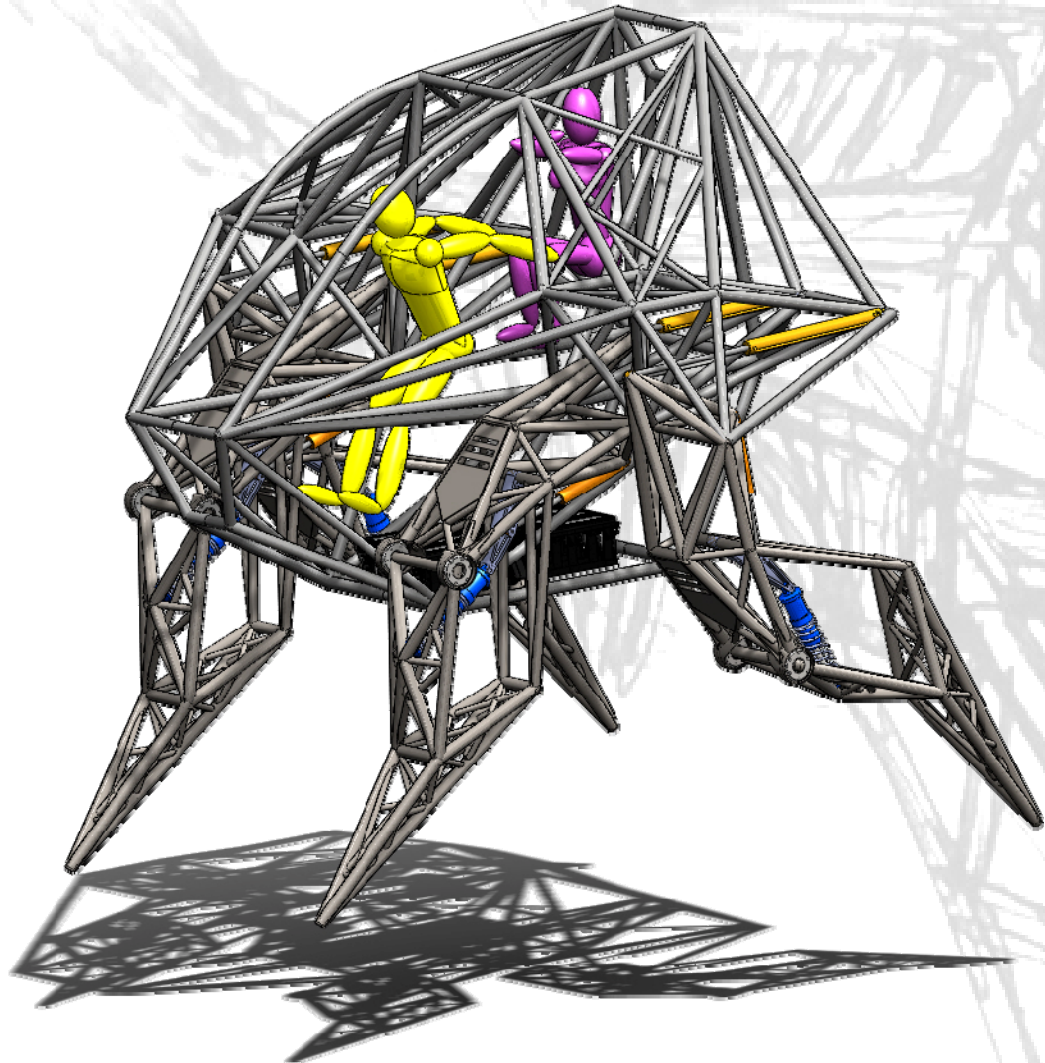


PROSTHESIS

THE ANTI-ROBOT



PHILOSOPHICAL STATEMENT

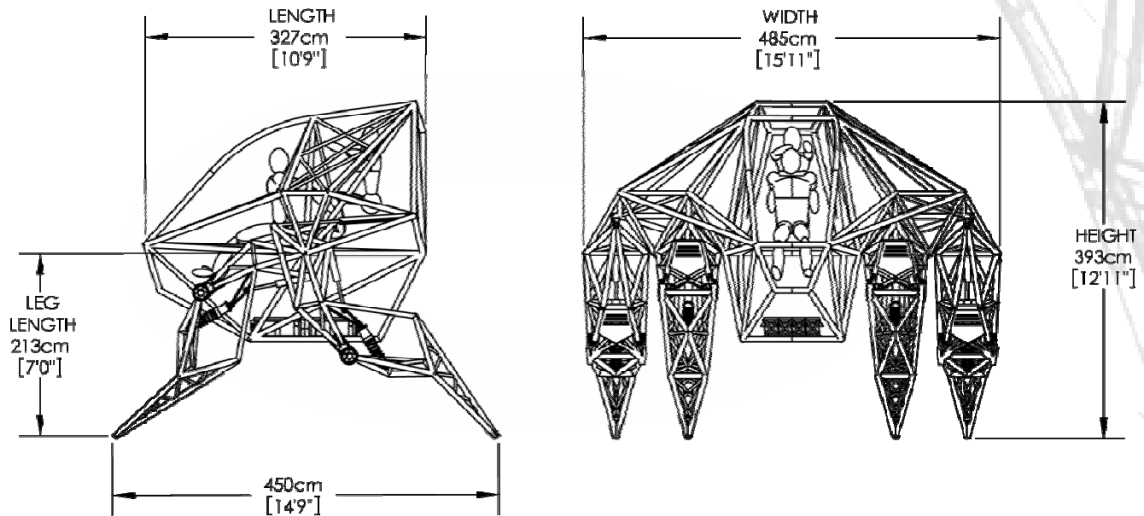
Prosthesis seeks to reunite humans with machines through the age old pursuit of physical mastery. As we become increasingly alienated from our machines and the relentless march of automation threatens the quality of the human experience, the only thing that might save us is Prosthesis: the anti-robot.

PHYSICAL DESCRIPTION

Prosthesis, is a high-performance, four-limbed wearable walking machine. It carries one pilot and one passenger. Prosthesis has no active control system. The pilot must learn to control the machine via an exo-skeletal interface which maps the movement of his limbs to the limbs of the machine, and physically returns positional feedback. The whole machine is powered by a cutting-edge, modular, expandable, hybrid-electric power system.

DIMENSIONS

FULL STRIDE



TECHNICAL SPECIFICATIONS

Standing Height	5m
Width	4.9m
Length	3.3m
Mass	2500kg
Top Speed	30km/h
Stride	4.5m
Step Height	1m
Suspension Travel	50cm
Power Consumption	30kW continuous / 60kW peak
Power Plant	Li-ion hybrid-electric w/modular on-board generation: multi-fuel micro-turbine / biogas IC / fuel cell / future expandable
Control System	4 limb, 2 degree of freedom per limb exo-skeletal frame w/positional feedback including suspension movement
Passive Suspension System	oil damped coil-over w/adjustable compression and rebound damping, pre-load and spring rate
Pilot Controlled Suspension System	pneumatic compression w/real-time, pilot controlled rebound delay and onboard adjustable preload and spring rate