



HEBI
ROBOTICS

Treadward

Large-scale Ruggedized Mobile Base

HEBI's large-scale treaded mobile base, nicknamed "Treadward", is a versatile and agile mobile platform capable of navigating difficult and uneven terrain, climbing stairs, and carrying heavy payloads. The treadward platform boasts higher speeds and increased carrying capacity when compared to its predecessor, Tready.



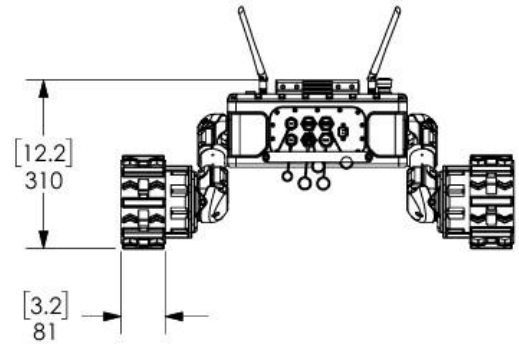
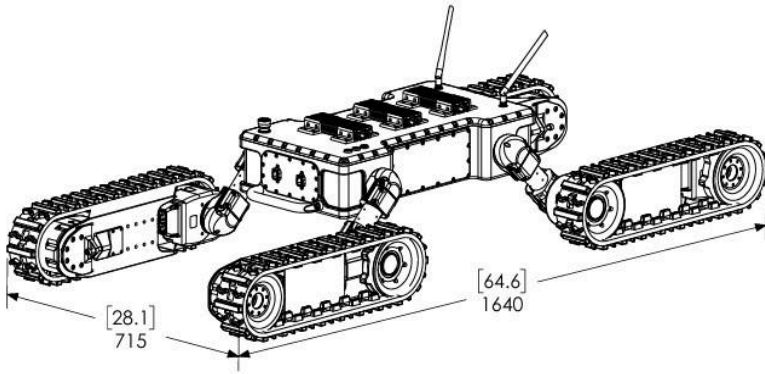
Treadward was initially developed in response to a customer's need for a dextrous and adaptable platform to deploy a core sampling tool in riverbeds where the terrain would prevent conventional methods.

Powered by HEBI's modular robotics platform, Treadward can be modified to alternative form factors and can easily integrate with other HEBI kits such as arms, grippers, cameras, or even 3rd-party sensors.



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TREADWARD – TECHNICAL SPECIFICATIONS



Weight	61 kg (135 lbs)
Linear Speed	28 m/min (92 ft/min) R25-20 Track Drive 70 m/min (230 ft/min) R25-8 Track Drive
Payload	45 kg (100 lbs) R25-20 Track Drive 20 kg (44 lbs) R25-8 Track Drive
Batteries	8x HEBI Wattman Lithium-Ion Batteries 36V, 93.6Wh (Safe for Air Travel), 13A Max
Battery Life (Using 8 Batteries)	3-4 Hours Includes 8 Batteries Internally and Charger
R-Series Actuators	4x R25-20/R25-8 Actuator (Track Drive) 4x R25-40 Actuator (Independent Flipper Motion)
Tracks	4x 80mm (3.15 in) Molded Rubber Track
Mechanical Interface	3x Top-Mounted T-Slot Extrusion Interface on front of chassis for HEBI Accessories Customizable Electronics Bulkhead Panel
Integrated Electronics	NUC Computer Power Electronics Multi-port Router Long-range Outdoor WiFi Access Point
Standard Bulkhead Configuration	1x HDMI to on-board Computer 1x Ethernet to Robot Network 2x USB to Computer 2x USB-C (Thunderbolt) to Computer Battery Charging Port 2x 6-pin HEBI Accessory Power and Data Connector
Software	Joystick Control with HEBI Mobile I/O App Example code in all of HEBI's supported API languages
<p>Request a quote at www.hebirobotics.com</p> <p>Additional technical documentation at docs.hebi.us</p> <p>Updated on Mar 28, 2025. Specifications subject to change without notice.</p>	



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