

TREADY

RUGGEDIZED MOBILE BASE AND MANIPULATION

HEBI's treaded mobile base, nicknamed "Tready", is an extremely versatile and agile mobile platform, capable of navigating difficult and uneven terrain, climbing stairs, and accessing confined spaces.

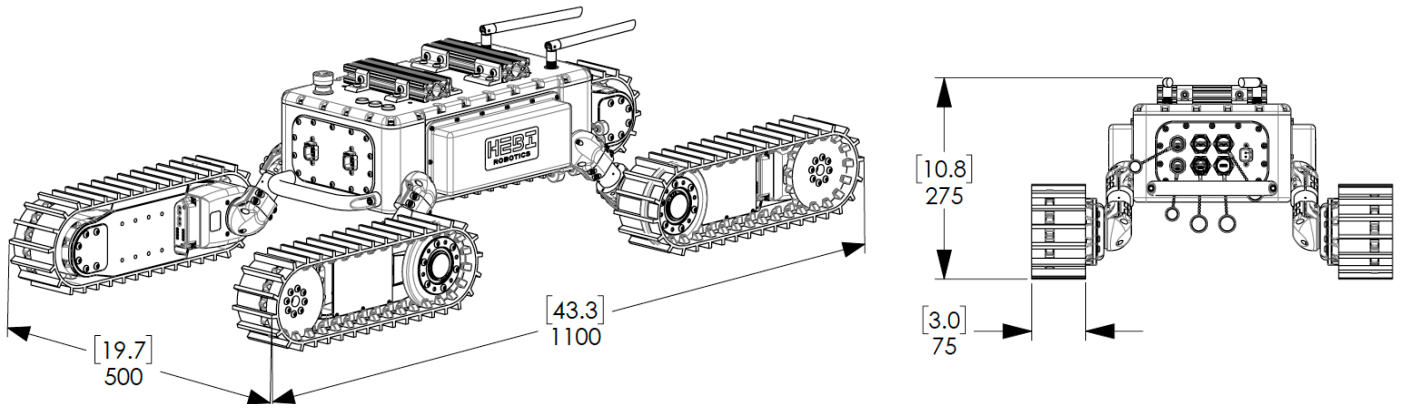


It was initially developed in response to a customer's need for a lightweight and extensible platform to inspect difficult terrains, including landslides. Since then it has evolved into multi-purpose platform capable of performing inspection and maintenance tasks in the most difficult environments and confined spaces.

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



TREADY — TECHNICAL SPECIFICATIONS



Weight	25 kg (55 lbs)
Linear Speed	15 m/min (50 ft/min) R8-9+ Track Drive 46 m/min (150 ft/min) R8-3+ Track Drive
Payload	25 kg (55 lbs) R8-9+ Track Drive 9 kg (20 lbs) R8-3+ Track Drive
Batteries	4x HEBI Wattman Lithium-Ion Batteries 36V, 93.6Wh (Safe for Air Travel), 13A Max
Battery Life (Using 4 Batteries)	2-3 Hours Includes 4 batteries installed and charger
R-Series Actuators	4x R8-9+/R8-3+ Actuator (Track Drive) 4x R8-16+ Actuator (Independent Flipper Motion)
Tracks	4x 75mm (3.0 in) Molded rubber track
Mechanical Interface	T-Slot Extrusion (Inch or Metric Series) Interface on front of Chassis for HEBI Accessories Customizable Electronics Bulkhead Panel Easy Integration of additional components or sensors
Integrated Electronics	Intel® NUC Computer Power Electronics Multi-port Router Long-Range Outdoor WiFi Access Point
Standard Bulkhead Configuration	1x HDMI 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 & Data Connector
Software	Joystick Control with HEBI Mobile I/O App (IOS and Andriod) Example code in all of HEBI's supported API languages

Request a quote at www.hebirobotics.com

Additional technical documentation at docs.hebi.us

Updated on August 30, 2024. Specifications subject to change without notice.



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