



SILVERBACK

AeroGo Silverback Wheeled Vehicle Systems

UP TO 200 TONS OF MOVING MUSCLE

MOVE EXCEPTIONALLY HEAVY LOADS EASILY AND SAFELY



Innovative Load Moving Solutions

About AeroGo

AeroGo, Inc. is a proven world leader in the engineering, design, manufacturing and support of material transport systems.

AeroGo products comply with ISO 9001:2008 quality standards and are CE compliant.

AeroGo offers a full complement of support services throughout the world.

To discuss your specific application, contact a product application engineer at 1-800-426-4757 or email info@aerogo.com. Live chat is available at www.aerogo.com.



Innovative Load Moving Solutions

KEY INDUSTRIES

Heavy industries around the globe depend on **AeroGo Silverback Wheeled Vehicles**

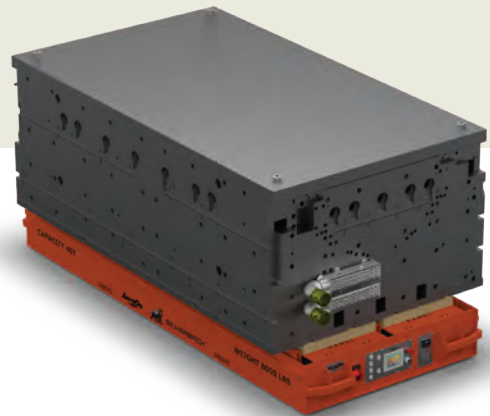
AeroGo Silverback Series Wheeled Vehicles (WV) are proven to be an extremely cost effective and safe alternative to cranes, conveyors, rollers, rails and drag chains. AeroGo Silverback WVs are equipped with industry-leading technology and specialized drive systems enabling multi-ton loads to be moved easily, precisely and safely by one operator.



WV-E40T aircraft fuselage application

Aerospace

Aerospace manufacturer's rely on AeroGo to assist in moving tooling, work stands, satellites, rockets, or entire aircraft. Our WVs can be easily configured to the specialized requirements of the Aerospace industry. Available options include cleanroom compatibility, explosion proof, specialized materials, and fault tolerant design.



WV-E40T die transfer cart application

Heavy Manufacturing

Wheeled Vehicles maneuver easily in congested areas and where space is at a premium. They are equally suited for direct load or skid applications.



WV-H65T heavy equipment conveying application

Manufacturing Assembly

The omni-directional movement inherent to Wheeled Vehicles eliminates first-in, first-out requirements, or fixed move paths in production line flow, making our WV technology a flexible solution in manufacturing environments. The ease of operation of our Wheeled Vehicles allow personnel to quickly adapt and utilize the WV system.



WV-H100T marine diesel engine refurb application

Marine

WV's are multipurpose vehicles used to move components during manufacturing, repair or rebuild.

SILVERBACK WHEELED VEHICLE BENEFITS

Flexible

- Eliminates first-in/first-out, or fixed move paths
- Minimal operational footprint maximizes usable floor space
- Integrated lift system provides self-loading capability
- Self-loading capability makes it possible to share the WV with multiple payloads

Exceptionally Maneuverable

- Precise movement through multiple steering modes
- Rotation within its own footprint, unlike forklifts or other conventional ride-on vehicles
- Soft start/stop - controlled accelerations and decelerations
- Precise steering enables efficient use of manufacturing floor space

Portable

- Unlike cranes, conveyors, and rails, WVs do not require permanent installation in the facility
- Can be relocated and utilized in multiple facilities

Inherently Safe

- Transport loads inches off the floor
- Eliminates challenges associated with rigging operations
- Radio remote control provides exceptional operator visibility

Easy to Implement

- Ready to run upon delivery
- Operates on typical factory floors
- Does not require complex facility modifications like cranes, conveyors or rails

SILVERBACK KEY FEATURES

Advanced Interface

The LCD touchscreen provides large, easy-to-read advanced diagnostics through HMI (Touchscreen LCD panel) to monitor operational characteristics and prompts for scheduled maintenance.

Radio Remote Control

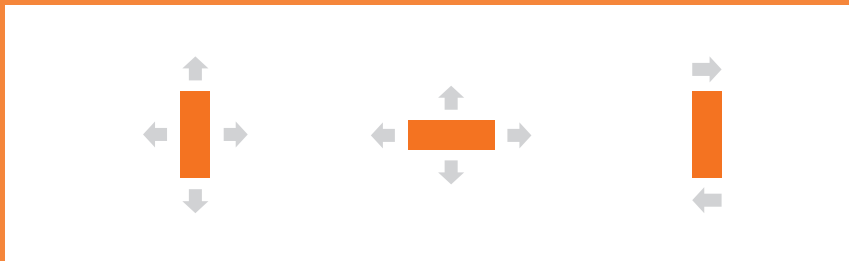
Control functions, including system power, emergency stop, drive speed, steering mode selection and steering direction, are controlled via a lightweight, easy to use, radio remote control.

Integrated Lift System

Integrated Lift System enables self-loading. Self-loading makes it possible for a single operator to maneuver the Silverback WV under a load, engage the lift system and drive the load away (think 'next generation forklift').

Supporting Skid System

AeroGo Support Skid Systems allow a single WV unit to be shared with multiple loads. These systems are purpose-built to customer specifications based on application. Slim profile maximizes floor space utilization. Skid supports feature pads to protect the floor. Optimized skid design minimizes overall system cost.



Drive System

AeroGo internal drives include variable speed, bi-directional motors designed for high torque at low speeds with finite control.

Synchronized Tandem Operation

Two or more WVs can be linked together and controlled by a single operator to operate in tandem mode as a way to expand overall system load capacity. When operating in tandem mode, the internal PLC controls mode steering, speed, and other WV functions using a single hand-held radio remote control.

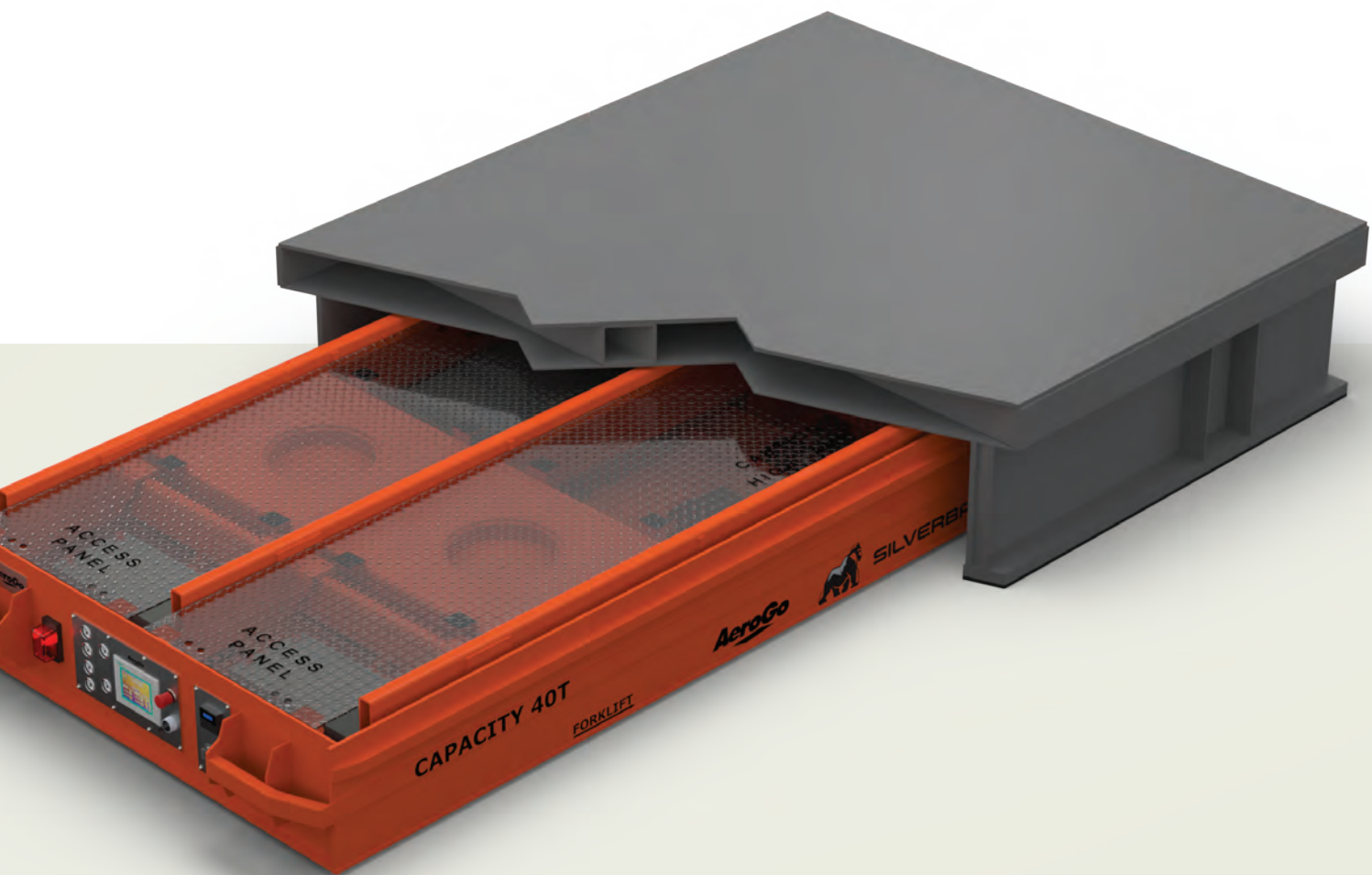


SAFETY FEATURES

Many safety features are incorporated in the Wheeled Vehicle design, including:

- Simple, intuitive operation
- Multiple e-stop switches
- Audible and visual alarms during operation
- Radio remote allows 100% walk-around visibility
- Low profile operation eliminates dangerous overhead moves
- Minimal transport height eliminates dropped load concerns
- Eliminates secondary loading/lifting operations

Whether you are moving 10,000 pounds or 200 tons, **AeroGo Silverback Wheeled Vehicles** move loads safely and efficiently



WHEELED VEHICLE SPECIFICATIONS



Standard Specifications					Metric Specifications			
Model Number	Maximum Capacity	Standard Width (ft)	Standard Length (ft)	Standard Height (in)	Maximum Capacity (mt)	Standard Width (m)	Standard Length (m)	Standard Height (mm)
WV-E40T	80,000	5.9	14.1	17	36	1.8	4.3	432
WV-H65T	130,000	4.9	20	18	59	1.5	6.1	458
WV-H100T	200,000	7.5	20	20	91	2.3	6.1	458

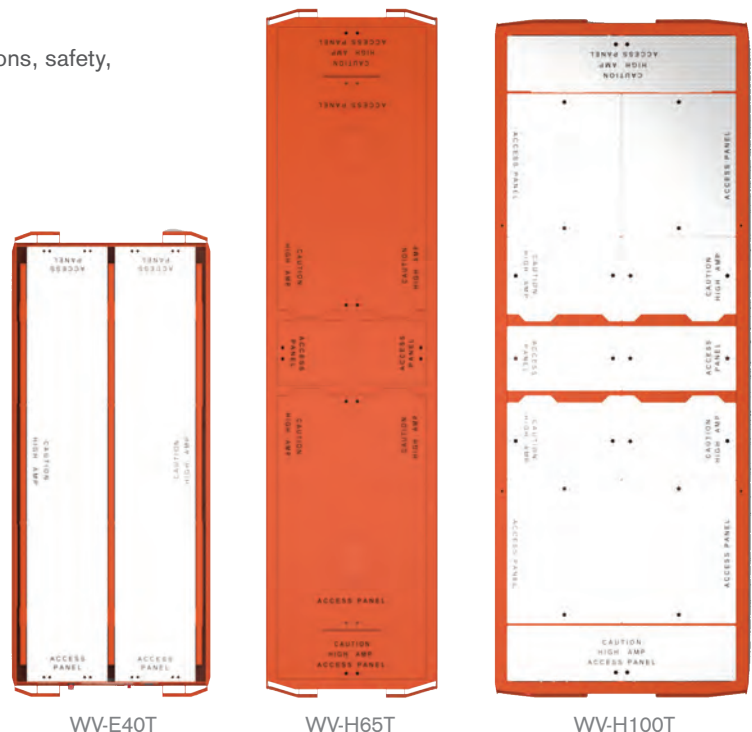
AeroGo Wheeled Vehicles are equipped with:

- Self-contained design with a heavy duty welded steel frame
- Radio control transmitter operation; single operator control for safety
- Industrial NEMA rated enclosures for electrical components
- Advanced PLC control system
- Steerable internal drives for omnidirectional maneuverability
- Quick-change onboard batteries
- Motion and electronic control system
- Battery health indicator system
- External battery charger
- Intuitive operator interface
- Full maintenance diagnostics
- Audible and visual alarms during operation
- Suitable for direct load or self-load with (optional) skids
- Large, easy to read advanced diagnostics through HMI (touchscreen LCD panel) to monitor operational characteristics and prompts for scheduled maintenance

Installation Support

- Manufacturing representative onsite at startup for operations, safety, and maintenance training
- Detailed operation and maintenance manuals
- Silverback Wheeled Vehicle maintenance toolkit

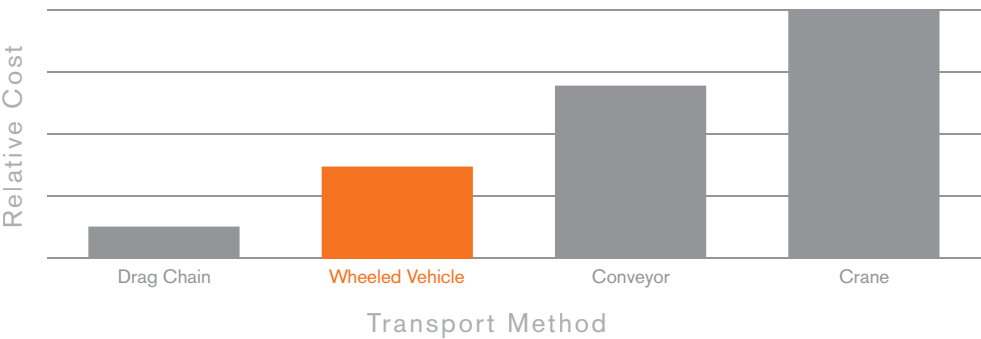
ISO9001:2008
Certificate Number 34629



WHY CHOOSE AEROGO'S SILVERBACK WHEELED VEHICLE?

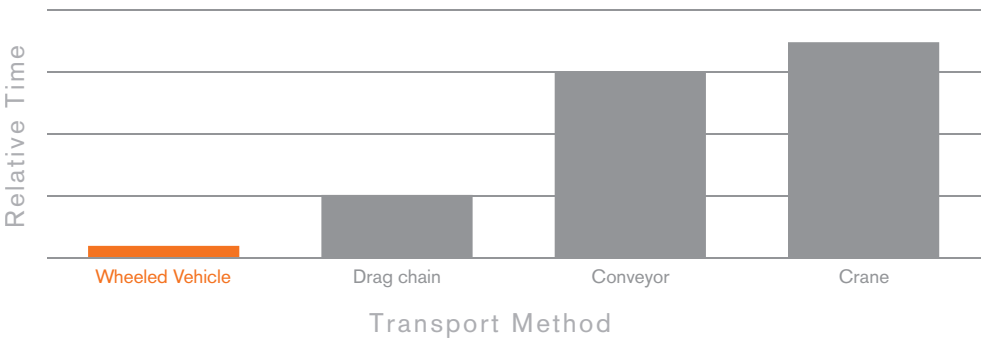
Cost

Comparative cost was derived by comparing the approximate purchase price of a drag chain, wheeled vehicle, conveyor and crane to move a distance of 100' with a sample weight of 50 tons.



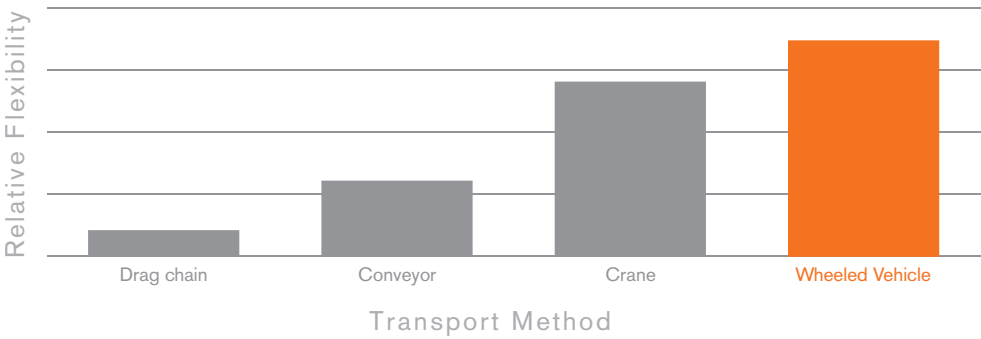
Installation Time

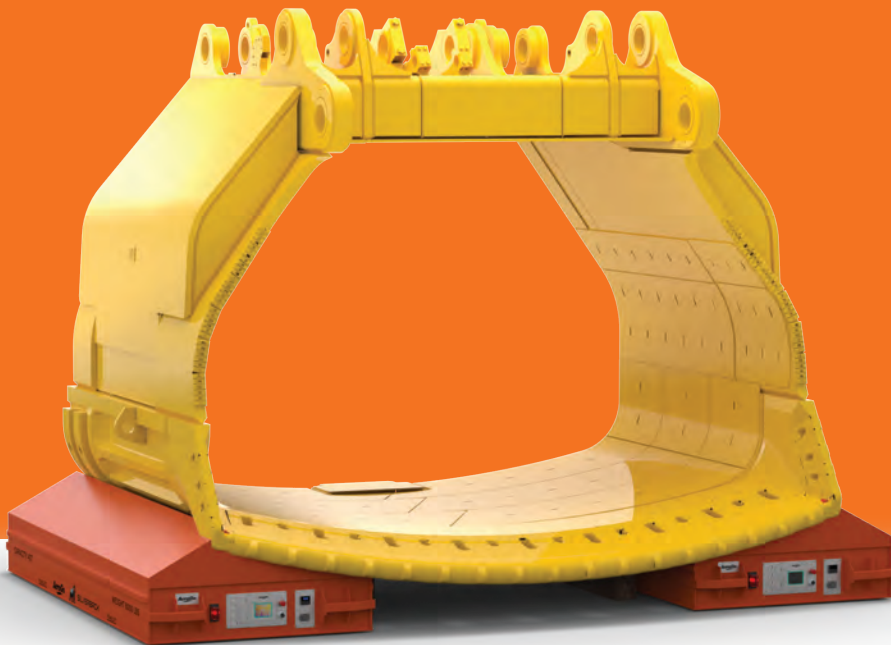
Installation time was derived by comparing the number of days it takes to install a wheeled vehicle, drag chain, conveyor or crane in a new plant or manufacturing facility to create a new move path.



Flexibility

Flexibility is derived by counting every range of motion possible for a drag chain, conveyor, crane or wheeled vehicle. The AeroGo Silverback Wheeled Vehicle offers eight points of flexibility or degrees of freedom: forward and backward, side-to-side, 360° rotation, lift and indexing.





Consult factory for custom configurations



Innovative Load Moving Solutions

1170 Andover Park West
Tukwila, WA 98188-3909 USA
p: +1.206.575.3344
f: +1.206.575.3505

email: info@aerogo.com
www.aerogo.com

