


No more waste, no more expensive maintenance, less down time, less repair bills & definately less operating cost.

We don't wait for the future. We shape the future.

Welcome to the future of Clean Transportation.

We are a company with a focus on innovation. At Treeletrik, we join a community connecting local market and technology. Now we are expanding our footprint around the world: we have partner assembly facilities in California and Texas, three assembly facilities in Asia, one in Darmstadt of Germany and adding to the list, an assembly facility in Malaysia. We assist in developing autonomous mobility solution for utility vehicle market. We bring dependable and affordable work vehicle at a faster speed with less capital investment.



The Charge & Go -Bike


TREELETRIK T-MV7

The All New

100% Electric Powered

Micro Multi-Purpose Utility Vehicle



The Charge & Go -Bike

Introducing T-MV7

THE COMPACT ALL ELECTRIC UTILITY VEHICLE URBAN LOGISTICS AND URBAN SERVICES





You might ask why our T-MV7 is the most practical and energy efficient multipurpose All-Electric Compact commercial utility vehicle on the market?

Since its inception, our T-MV7 designers, the world renowned German automobile engineering firm Magna Steyr, focused on a design that would combine high efficiency, practicality, and safety in a stylish, feature rich utility vehicle. Its standard features far exceed fully optioned versions from its competitors yet is as sturdy as they come. The MV7's electric powertrain provides best-in-class range and performance in a nearly maintenance free vehicle. With multiple cargo bed configuration options, superior performance and exceptional urban range, MV7 meets the diverse needs of enterprises of all kind.



T-MV7 All-Electric Compact Utility Vehicle



100% ELECTRIC

Meets your needs for **agricultural** uses: hauling, field maintenance, landscaping, refrigerated transport, **deliveries**, **logistic**, **mail** and more.

Perfect for farms, nurseries, greenhouses and vineyards! Provides exceptional performance within very compact dimensions, and also boasts one of the greatest towing capacities of its category.

- You can choose between pickup, van box or other configurations.
- Can be charged from standard 110V or 220V power outlets.
- Reinforced ABS body panels give extra vehicle protection for corrosion, bumping, and material fatigue.



TREELETRIK
Micro Vehicles

 **RANGE:**
80/200 km

 **SPEED:**
70 km/h

 **PAYLOAD:**
600 kg

 **VOLUME:**
4 cu.mt

 **EFFICIENCY:**
Over 200 MPGe



Durable

The MV7's durability and dependability far exceeds our end users' needs and expectations which means it will be on the job at all times.

The lightweight and sturdy body design give the MV7 its superior power and superb power-to-weight ratio that yields exceptional payload capacity and performance. With a sturdy steel chassis and a corrosion resistant body, The MV7 will deliver. Rigorously crash tested to meet or exceed European standards, The MV7 can be deployed day after day with confidence



Safety

The MV7's components and design were repeatedly tested, refined, and retested in computer simulations and real world crash tests.

The MV7 is equipped with four-wheel disc brakes which provide consistent braking and the shortest braking distance of any production NEV/LSV/CUV. The MV7's battery pack, located at the bottom of the vehicle, makes the center of gravity lower than any other similar trucks in its class. This low center of gravity reduces the risk of rollover during emergency maneuvers.

The unique steel reinforced cabin structure helps prevent deformation of the passenger compartment in the event of a collision.



Protection

The MV7 designers added additional frame reinforcement points in various critical locations, optimizing stability and giving it predictable road handling. During an unforeseen impact, the impact energy is reduced and evenly distributed in MV7's longitudinal and transverse steel beams, keeping footwell damage to a minimum.





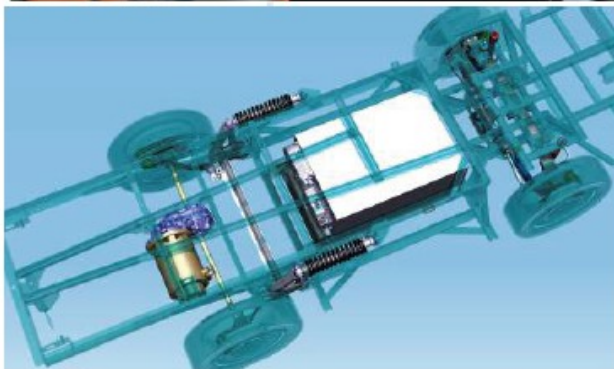
Flexibility

With its slim dimensions, short turning radius and generous cargo capacity, the **T-MV7** meet the needs of urban logistics delivery operations. In a suburban environment, the Metro can become a compact utility truck, equipment carrier, park patrol vehicle, personnel carrier or hauling materials on the job site. The **T-MV7** is equipped with plenty of power and functionality to ensure a successful completion of daily projects. It comes with a variety of up-fits and battery configurations to meet most needs. The multifunctional **T-MV7** is the most versatile, practical and comfortable compact utility electric truck in its class.



Efficiency

Unlike other cars or trucks converted from gas or diesel platform that are cumbersome to operate, The **T-MV7**'s lightweight and aerodynamic body style were designed and built from the ground up. The **T-MV7** chassis was CAD designed not only to be lightweight but also durable and rigid to provide the utmost protection for the occupants.



Smart

The **T-MV7** comes with a built-in intelligence which features an advanced self-diagnostics system. This integrated system manages the CAN bus vehicle operating system and the battery management system which automatically detects defective components. The integrated system can automatically isolate internal issues, and notify the operator to prevent sudden failure. The advanced State of Charge (SOC) algorithms featured in the Metro's battery management system gives the operator a precise range calculation, thus reducing operator's range anxiety. The **T-MV7** can be equipped with state of the art telematics for vehicle tracking and vehicle monitoring to collect vehicle uptime performance data. This feature can efficiently help fleet operators reduce downtime by performing manufacturers' suggested maintenance in advance to prevent equipment failure.

Ready to Work, Day In and Day out

Distinctive styling, roomy interior, spacious cargo area, leading performance and high energy efficiency set THE T - MV7 apart.

Superb driver visibility for a safe driving experience.



EPS Electric Power Steering
Parking Sensors



Stylish 14" Alloy Wheels



Versatile and Robust

The T- MV7 offers an ideal solution for light urban deliveries, maintenance needs, warehouse transport and other diverse applications such as campus, parks, resorts, campus, and industrial facilities.

For city use, the T- MV7 is perfect for city deliveries, street vending, and urban maintenance operation crew.



Lightweight composite ABS material, durable, dent resistant, and fade resistance.



Durable light-weight steel chassis with high-quality steel frame.

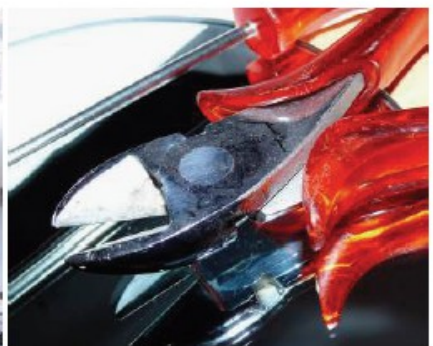
A product of Germany engineering, with American innovation.



Low-Cost Maintenance

The **T-MV7** low-cost maintenance and operation cost can be 1/12th of the expense compared to other vehicles in its class.

The **T-MV7** drivetrain is very simple. It has no transmission, engine, cooling system or fuel system. Which means it does not require coolant, engine oil and transmission fluid to service nor filters and belts to replace. Along with its low-cost operational savings, the Metro's modular system design provides ease of access and simplifies maintenance, repair and component replacement time.





Durable

The T- **MV7** durability will far exceed our end users needs expectations, thus ensuring it will be on the job, working hard making and saving money.



Safe

The T- **MV7** robust component and full vehicle design was not only repeatedly tested, refined and retested in computer simulation but also in real world crash testing.



Light and efficient

Designed and built from the ground up as an electric vehicle instead of converted from a gas or diesel vehicle, the T- **MV7** is light and aerodynamic.



Low cost maintenance

The T- **MV7** low cost maintenance and operation can be 1/6 the cost of a traditional vehicle in its class.



Flexible

With its slim dimensions, short turning radius and generous cargo capacity, It meets the needs of urban logistics delivery operations.



Intelligent

Built in intelligence for efficient operation and increased safety.



Wide Range of Applications

The **T-MV7** is a multi-function Compact Utility Vehicle focused on the last mile of the urban logistics such as door to door postal delivery, Less-Than-Truckload delivery, and other citywide distribution and transportation service. The **T-MV7** can also serve municipal agencies, corporate facilities, school campuses, maintenance crews, first responders and security patrols.





Florist



Trailer



Security



Maintenance



Public Service / Utilities



Delivery

Chassis

The **T-MV7** frame is engineered to be lightweight with high lateral, longitudinal and torsional stiffness. It has reinforced structural features in critical areas to protect both of the passengers from injury and the batteries from damaging. The **T-MV7** crash test results exceeds the stringent European Safety Standards and the crash testing requirements. The chassis is designed to accommodate a variety of payload with up-fits ranging from the basic flat bed to a refrigerated cargo box or even a parking lot sweeper.



Suspension

From its first concept, the **T-MV7** was designed by Magna Styer's German engineers with a proprietary frame and suspension system. With its unique transverse rear suspension, precise shock calibration and progressive wound springs, the **T-MV7** ride are smooth, giving the operator confidence and sure-footed handling in all driving conditions. Even though the **T-MV7** is small and lightweight, it handles with high confidence once you are behind the steering wheel. The **T-MV7** is equipped with standard electric power steering and four-wheel disk brakes.



Drive System

Treeletrik has developed the **T-MV7** proprietary high efficiency heavy-duty drive system. These components include the drive motor, motor controller, gearbox, battery management system and vehicle management system. Our proprietary system can be customized and tailored to our customers' needs such as longer range, higher or lower speed limits, and additional payload capacity.





New Material

The **T-MV7** body panels are made of ABS polymer. ABS polymer has a much higher melting point than PLA plastic. ABS polymer is also stronger and harder. Because of these particular features, ABS is widely used for a variety of products ranging from car bumpers and motorcycle helmets to golf clubs and Lego blocks. This material alone gives the **T-MV7** advantages over other vehicles superior safety, durability, fatigue resistance, and corrosion resistance. Not only does ABS reduce weight, but it also saves material cost and handling.

In all, The **T-MV7** has a very simple production process where various traditional auto manufacturing equipment are not needed such as stamping, welding, painting, and other high energy consumption assembly processes associated with manufacturing a vehicle.

The overall curb weight of **T-MV7** comes in at an astonishing 558 kg, 1,230 lbs (excluding batteries). It is the lightest vehicle in its class.

Specifications

Model Name **T- MV7**

DIMENSIONS

Payload Capacity	1496 lbs	680 Kgs
Cargo Volume	5.44 yd³	4 cu.mt
Length	151.96 in	386 cm
Width	65.35 in	166 cm
Height	77.16 in	196 cm
Curb Weight	2970 lbs	1350 Kgs

SYSTEMS

Max Speed	25/35 mph*	40/56/75 km/h
Range	50/60/75 miles	150 km / 180 km
Charge Time	180 mins - 16 Amps	90 mins - 30 Amps

BATTERY

Battery Type	Lithium Battery
Operating Voltage	72 VDC
Nominal Power	10.8 Kw

PERFORMANCE

Turning Radius	126 in	304 cm
Gradeability	20%	



Chassis

- Drive 2WD Rear
- Front Suspension Leaf Spring Independent
- Rear Suspension Transverse Coil-over Shock Independent
- Brakes Four Wheel Disc
- Tires 175/65R14 Radial
- Bodywork Reinforced ABS

Standard Features

Ignition Key
Central Locking System
Glove Box
Seat with Headrest
12-volt Power Outlet
ABS Braking
Toolbox
Back Up Camera
Reverse Alarm Warning Sound
Onboard Diagnostics
Power Steering
Power Brakes
AM FM Bluetooth USB Stereo
Hands Free Phone
In Cabin Heater and Windshield Defroster
Dome Light
Overhead Storage
Sun Visors
Windshield Wiper
Locking Cabin Doors

Optional Features

Telematics
Extended range battery packs
Extended Life and Range with Lithium Battery Pack
Navigation
Exterior Work Lights
Emergency Caution Light Package
Law Enforcement/Security Package
Refrigerated Cargo Box
Electric Dump Bed

Color Options



Cargo Options





Ready to work, day in and day out

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