

Ati

SHERPA PALLET MOVER

ROBUST | ACCURATE | CONSISTENT



SHERPA PALLET MOVER

The Sherpa Pallet-Mover (AMR) streamlines warehouse operations by autonomously lifting and transporting pallets. Utilizing a combination of LiDAR sensors, cameras, and mapping technology, it dynamically navigates while avoiding obstacles. Streamline operations, minimize manual labor, and accelerate order fulfillment with this efficient solution.

Automated Solutions

- AI Pallet Detection
- Obstacle Avoidance
- Force Monitoring
- Fleet operation
- Manual Override
- Erp Integration

Sherpa Specifications

Physical Specs	LENGTH	1700 mm	29 in
	WIDTH	700 mm	67 in
	HEIGHT	1490 mm	59 in
	WEIGHT	~ 350 Kg	772 lb
	SENSORS	3D Lidar and Camera	
	GROUND CLEARANCE	25 mm	1 in
Operation	AISLE WIDTH REQUIRED	>1.8 m	> 71 in
	MAX SPEED	1.2 m/s	2.6 mph
	TURNING RADIUS	1.7 m	67 in
	GRADIENT	Upto 2%	
	TEMPERATURE	+5°C to +45°C	+41°F to 113°F
	LIFTING CAPACITY	1500 Kg	3300 lb
LIFTING STROKE	100 mm	4 in	
Battery	TYPE	51 V NMC Lithium-ion (Swappable)	
	WEIGHT	18 Kg	40 lb
	RUN TIME	8 Hrs	
	CHARGING TIME	2 Hrs	
	CAPACITY	55 Ah	

Features



Light Conditions

Can even handle twilight and dark mode operations



Natural Navigation

No infrastructure changes needed



Swappable Battery

Enables Multiple shifts with low down time



Industry 4.0 Ready

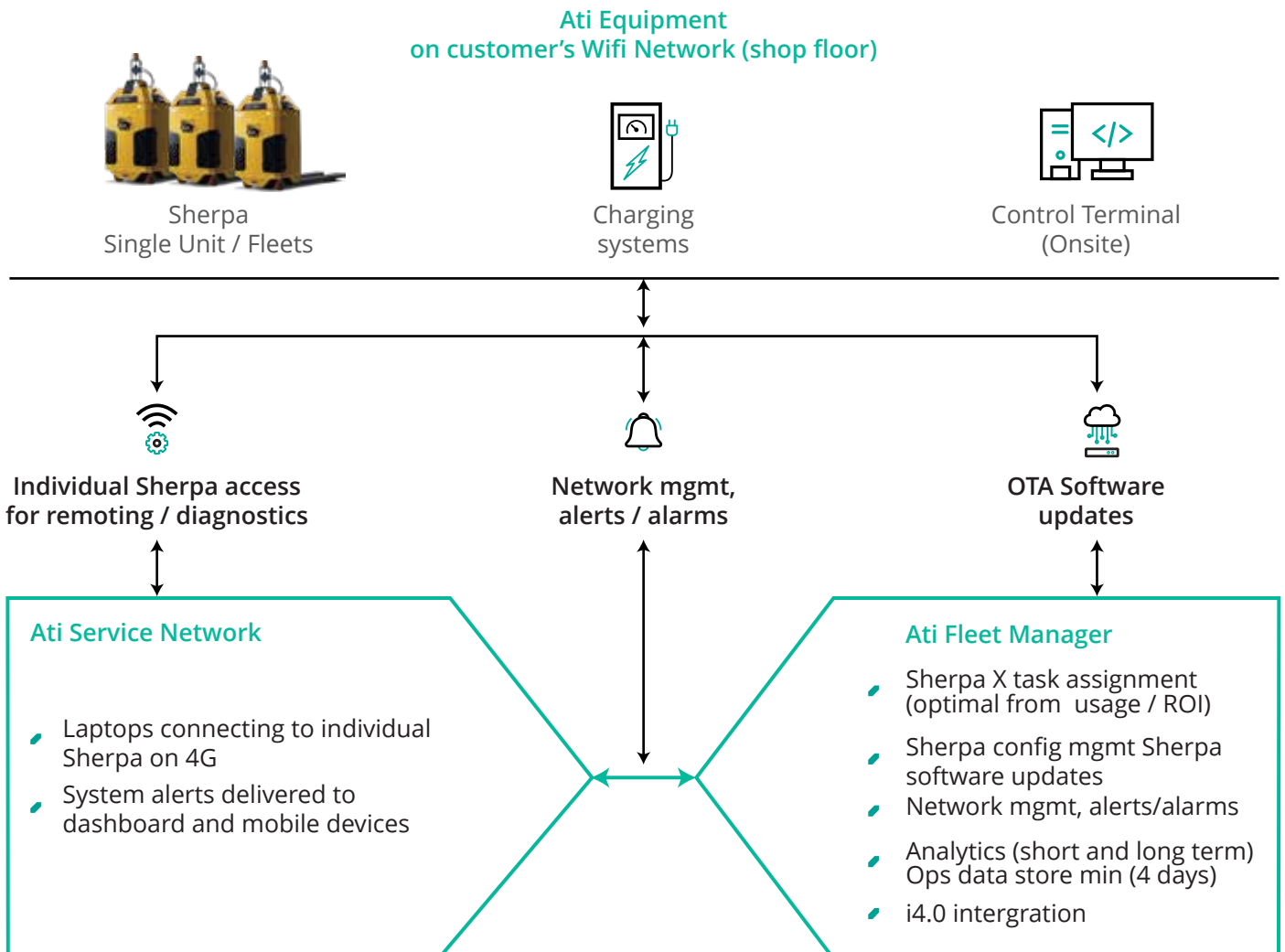
Can be integrated with Factory MAS, WMS



OTA Updates

Sherpa is constantly updated to its latest software

Sherpa Fleet Managed On Ati Fleet Manager



Ati Fleet Manager Offers

• VDA 5050

• Fleet Analytics & Scheduler

• Fleet Diagnostics

Sherpa Pallet Mover

Efficient & Reliable
Pallet Handling



Sensor Coverage



Autonomy Safety Compliance ISO 3691- 4

USA | Mexico | South East Asia | India | Europe

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