

# Ati

## SHERPA LIFTER







CUSTOMIZABLE | ROBUST |  
PRECISE



# SHERPA LIFTER

Enhance your warehouse efficiency with the Lifter, an advanced autonomous mobile robot designed to streamline operations by transporting pallets, trolleys, racks, and magazines effortlessly. First in class, two 3-D LiDAR based natural navigation. Its configurable design makes it compatible for Tunneling, Lifting as well as Roller top application.

## Automated Solutions

-  Pallet Handling
-  Conveyor Transfer
-  Auto Charging
-  Custom Lifting Applications
-  Tunneling of Trolleys
-  Dual Direction Travel

## Sherpa Specifications

Physical Specs	LENGTH	1200 mm	47 in
	WIDTH	800 mm	32 in
	HEIGHT	415 mm	16in
	WEIGHT	~ 350 Kg	772 lb
	SENSORS	3D Lidar and Camera	
	IPX RATING	IPX4	
	GROUND CLEARANCE	30 mm	1 in
Operation	AISLE WIDTH REQUIRED	>1200 mm	> 47 in
	MAX SPEED	1.5 m/s	3.3 mph
	TURNING RADIUS	In-place turn	
	GRADIENT	Upto 2%	
	TEMPERATURE	+5°C to +45°C	+41°F to 113°F
	LIFTING CAPACITY	1000 Kg	2200 lb
	LIFTING STROKE	50 mm	2 in
	POSITIONAL ACCURACY	± 0.8in ± 2 degree	
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

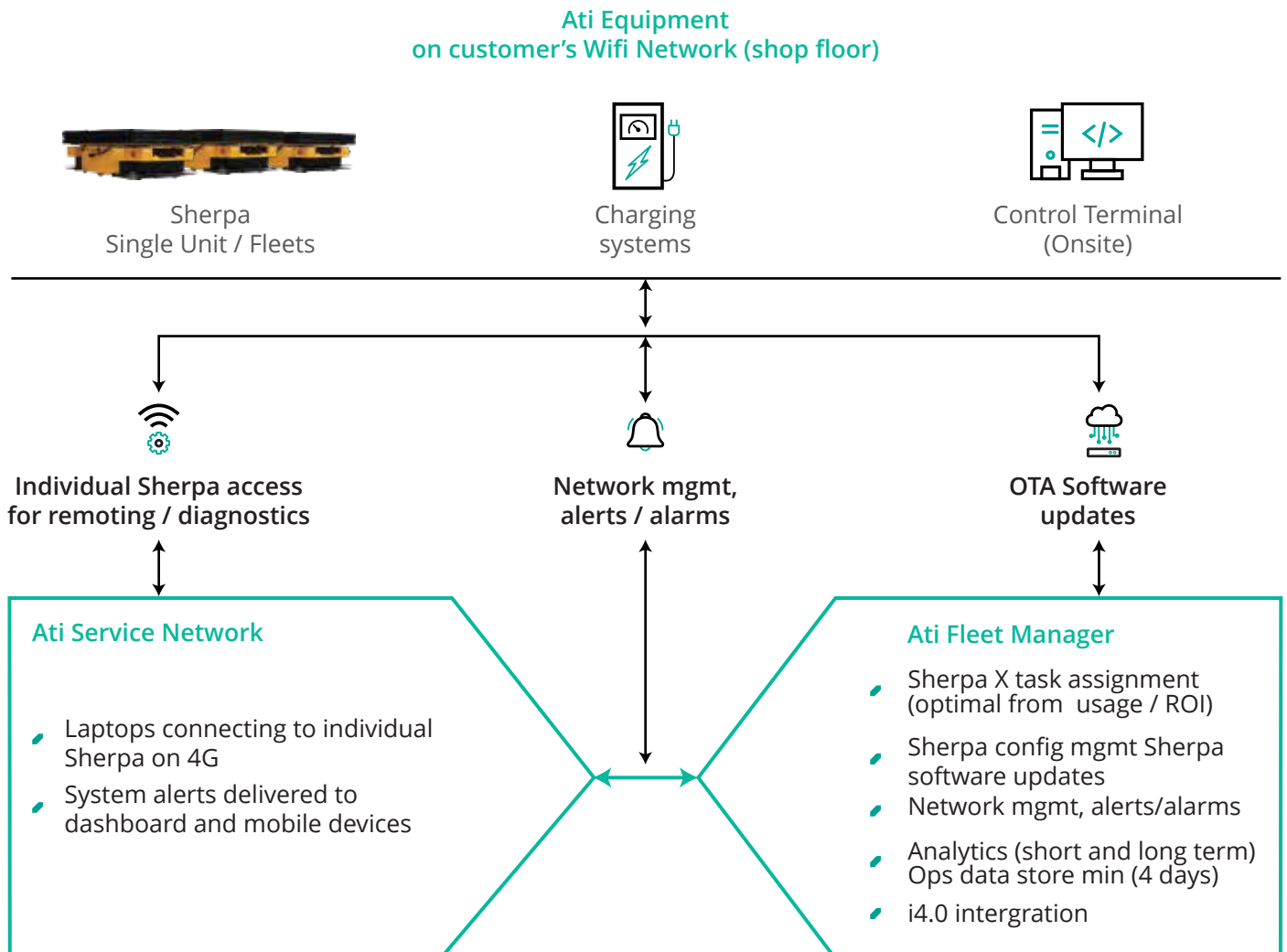
Sherpa is constantly updated to its latest software



## Custom Attachments

Conveyor Top/ Trolley  
Plate/Pallet Plate/ Tunneling  
Pin

## Sherpa Fleet Managed On Ati Fleet Manager



### Ati Fleet Manager Offers

- VDA 5050
- Fleet Analytics & Scheduler
- Fleet Diagnostics

## Sherpa Lifter

Efficient & Reliable  
Load Handling



## Sensor Coverage

Lidar 59°

Lidar 59°

Camera 58°

Camera 58°



Autonomy Safety Compliance ISO 3691-4

USA | Mexico | South East Asia | India | Europe

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