

# Ati

## SHERPA PIVOT

MANOEUVRABLE | CUSTOMISABLE |  
PRECISE



# SHERPA PIVOT

Sherpa PIVOT is an AMR that can streamline warehouse operations by autonomously transporting customized trailing units of payload up to 500 kg using a combination of 3D LiDAR sensors, cameras, and mapping technology. It navigates dynamically, avoiding obstacles, hence enhancing efficiency by reducing manual labor, optimizing storage, and facilitating quicker order fulfillment.

## Automates Solution

- Custom Attachments
- Auto Charging
- Obstacle Avoidance
- Custom Trolley Design
- ERP Integration

## Sherpa Specifications

Physical Specs	LENGTH	1486 mm	59 in
	WIDTH	578 mm	23 in
	HEIGHT	1087 mm	82 in
	WEIGHT	~ 120 Kg	265 lb
	SENSORS	3D Lidar and Camera	
	IPX RATING	IPX4	
	GROUND CLEARANCE	75 mm	3 in
Operation	AISLE WIDTH REQUIRED	>1500 mm	> 59 in
	MAX SPEED	1.5 m/s	3.3 mph
	TURNING RADIUS	2 m	79 in
	GRADIENT	Upto 2%	
	TEMPERATURE	+5°C to +45°C	+41 °F to 113 °F
	TUGGING CAPACITY	500 Kg	1100 lb
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

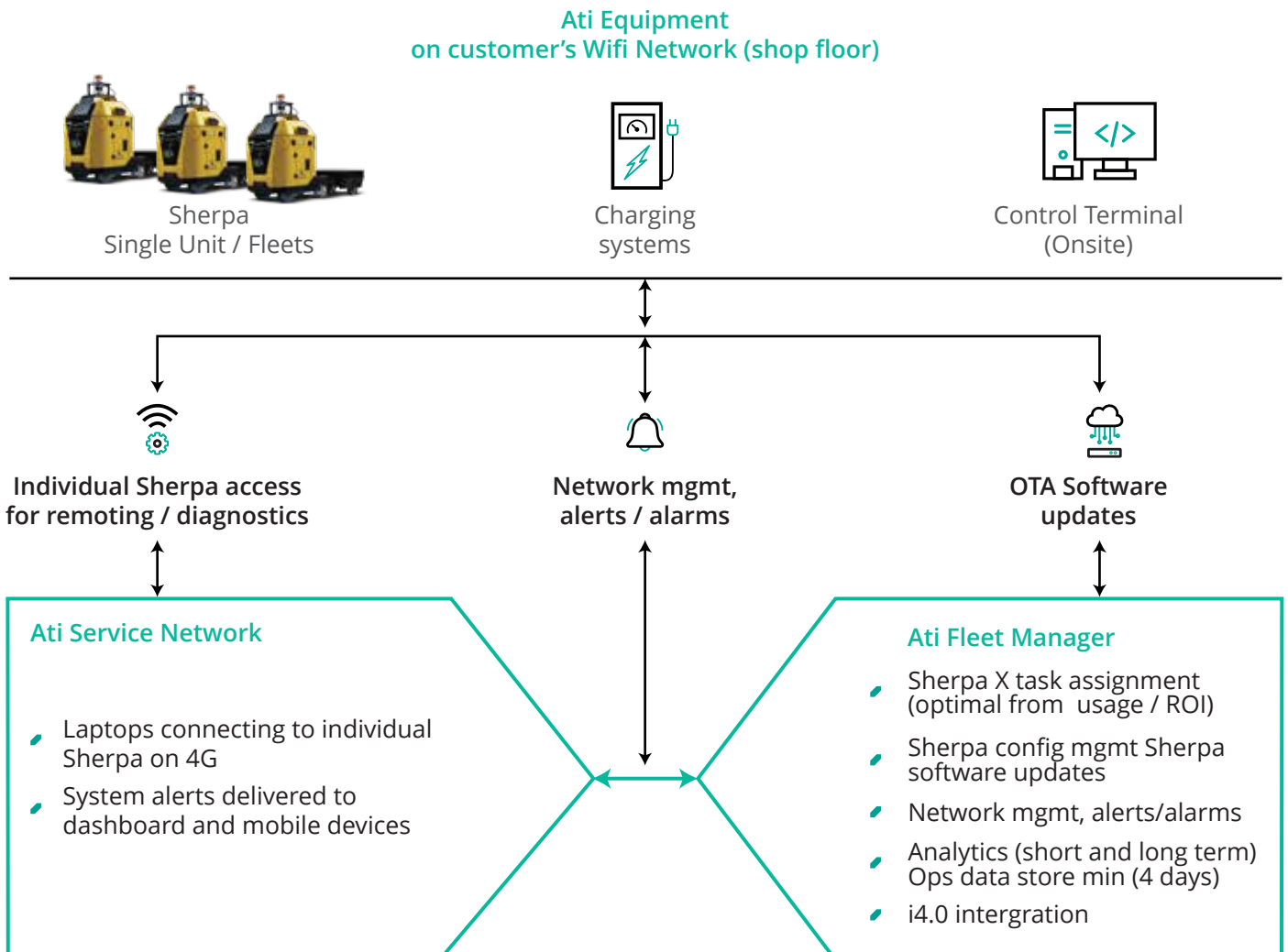
Can be integrated with Factory MAS, WMS



## 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 Pivot

Experience precision and versatility  
for every move



## Sensor Coverage



Autonomy Safety Compliance ISO 3691-4

USA | Mexico | South East Asia | India | Europe

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