Ati

SHERPA XT

HEAVY DUTY | EFFICIENT | SAFE

SHERPA XT

Sherpa XT is ideal for moving trolley payloads up to three metric ton between precise points in a manufacturing workflow or in a warehouse. It has an array of advanced sensors that keep material moving swiftly, safely, reliably, and autonomously. The robot is built tough to handle typical industrial situations, both indoor and outdoor. The Sherpa XT can operate on its own and manage brownfield application with most legacy system.

Automated Solutions

🔹 Auto Hitch / Un-hitch   🔹 Custom Trolley Design   🔹 Custom Hitch   🔹 ERP Integration

Sherpa Specifications

Physical Specs			
	LENGTH	1695 mm	67 in
	WIDTH	1190 mm	47 in
	HEIGHT	1195 mm	47 in
	WEIGHT	~ 850 Kg	1874 lb
	SENSORS	3D Lidar and Camera	
	IPX RATING	IPX4	
	GROUND CLEARANCE	100 mm	4 in

Operation			
	AISLE WIDTH REQUIRED	>2500 mm	> 98 in
	MAX SPEED	2 m/s	4.5 mph
	TURNING RADIUS	In-place turn	
	GRADIENT	Upto 10%	
	TEMPERATURE	+5°C to +45°C	+41 °F to 113 °F
	TUGGING CAPACITY	3000 kg	6600 lb
	TROLLEY TRAIN	Upto 3 Carts	

Battery			
	TYPE	51 V NMC Lithium-ion (Swappable)	
	WEIGHT	18 Kg	40 lb
	RUN TIME	8 Hrs	
	CHARGING TIME	2 Hrs	
	CAPACITY	165 Ah (3 x 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
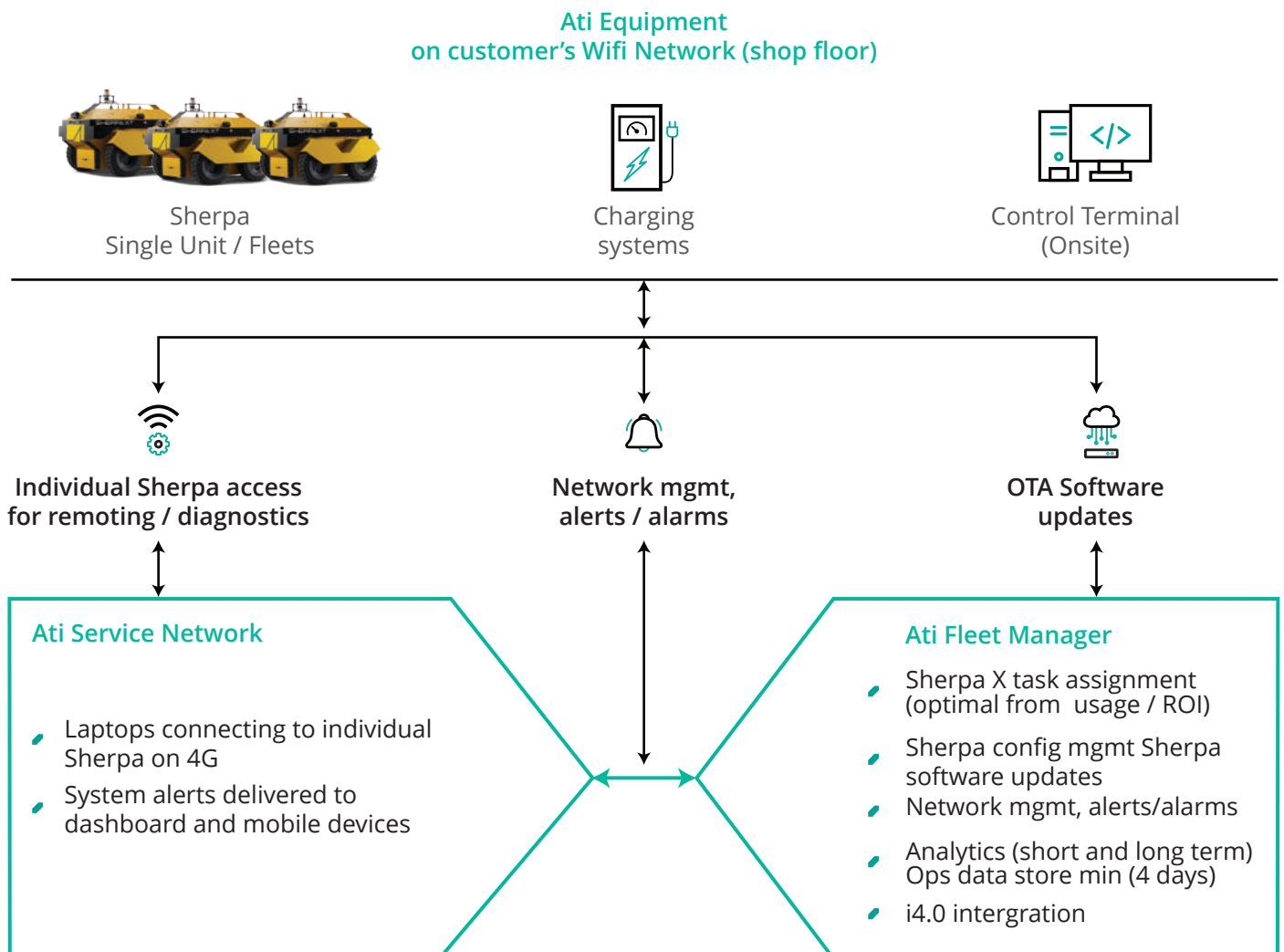Can be integrated with Factory MAS, WMS

OTA Updates
Sherpa is constantly updated to its latest software

Operation
Works Indoor & Outdoor

Sherpa Fleet Managed On Ati Fleet Manager

Ati Equipment
on customer's Wifi Network (shop floor)

Sherpa
Single Unit / Fleets

Charging
systems

Control Terminal
(Onsite)

Individual Sherpa access
for remoting / diagnostics

Network mgmt,
alerts / alarms

OTA Software
updates

Ati Service Network

- Laptops connecting to individual Sherpa on 4G
- System alerts delivered to dashboard and mobile devices

Ati Fleet Manager

- Sherpa X task assignment (optimal from usage / ROI)
- Sherpa config mgmt Sherpa software updates
- Network mgmt, alerts/alarms
- Analytics (short and long term) Ops data store min (4 days)
- i4.0 intergration

Ati Fleet Manager Offers

- **VDA 5050**
- **Fleet Analytics & Scheduler**
- **Fleet Diagnostics**

Sherpa XT
Autonomous Trolley Puller

Sensor Coverage

Lidar 42°

Lidar 42°

Camera 58°

Autonomy Safety Compliance ISO 3691-4

USA | Mexico | South East Asia | India | Europe

Ati Motors Inc.

1750 W Hamlin Rd, Rochester Hills, MI 48309

Mail: info@atimotors.com | Web: www.atimotors.com