

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

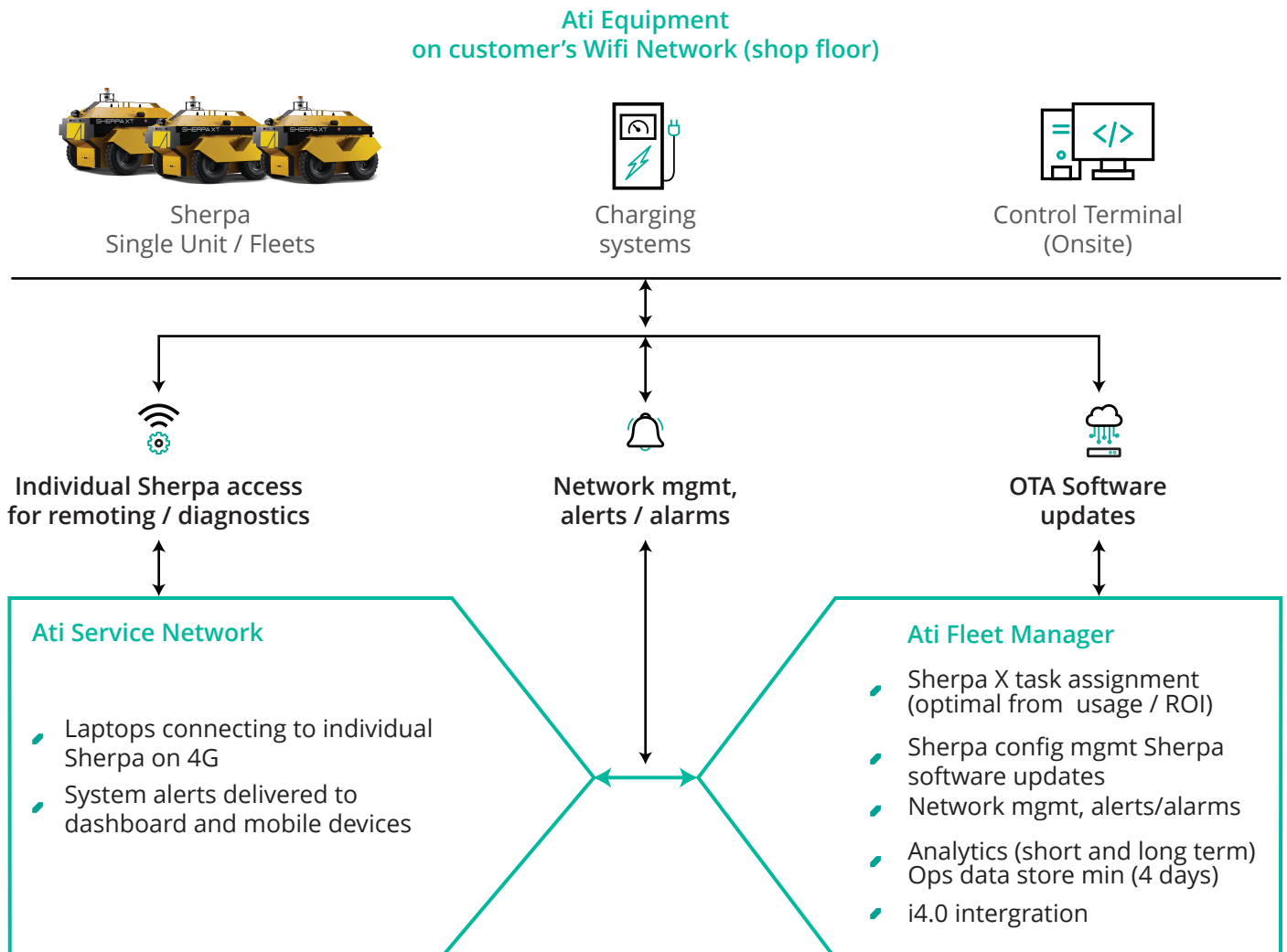
Sherpa is constantly updated to its latest software



Operation

Works Indoor & Outdoor

Sherpa Fleet Managed On Ati Fleet Manager



Ati Fleet Manager Offers

• VDA 5050

• Fleet Analytics & Scheduler

• Fleet Diagnostics

Sherpa XT

Autonomous Trolley Puller



Sensor Coverage



Autonomy Safety Compliance ISO 3691-4

USA | Mexico | South East Asia | India | Europe

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