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# Ati

## SHERPA TUG

RUGGED | ROBUST | RELIABLE



# SHERPA TUG

Sherpa Tug is an autonomous, electric tug that moves trolley payloads up to 1000 kg. Trolleys play a key role in material movement in most factories and many warehouses. Sherpa Tug easily integrates with existing trolleys and thus fit into workflows without any changes.

## Upgrades

- Auto Hitch / Un-hitch
- Additional Battery
- Additional Solutions
- Custom Trolley Design
- Custom Hitch
- Erp Integration

## Sherpa Specifications

### Physical Specs

Dimension	1395 x 640 x 1096 mm
Weight	~ 260 Kg
Sensors	3D Lidar and Camera
IPX Rating	IPX4
Ground Clearance	100 mm

### Operation

Aisle Width Required	>1500 mm
Max speed	1.5 m/s
Turning Radius	2.2 m
Gradient	Upto 2%
Trolley Train	Upto 3 Carts
Temparure (degree)	+5 to +45
Tugging Capacity	1000 Kg Payload
Nominal Pulling Capacity	800 Kg
Positional Accuracy	- 10mm, +- 1degree

### Battery

Type	48V NMC Lithium-Ion
Weight	15 Kg
Run Time	8 Hrs
Charging Time	2 Hrs
Capacity	36Ah

# 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 MIS, 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)



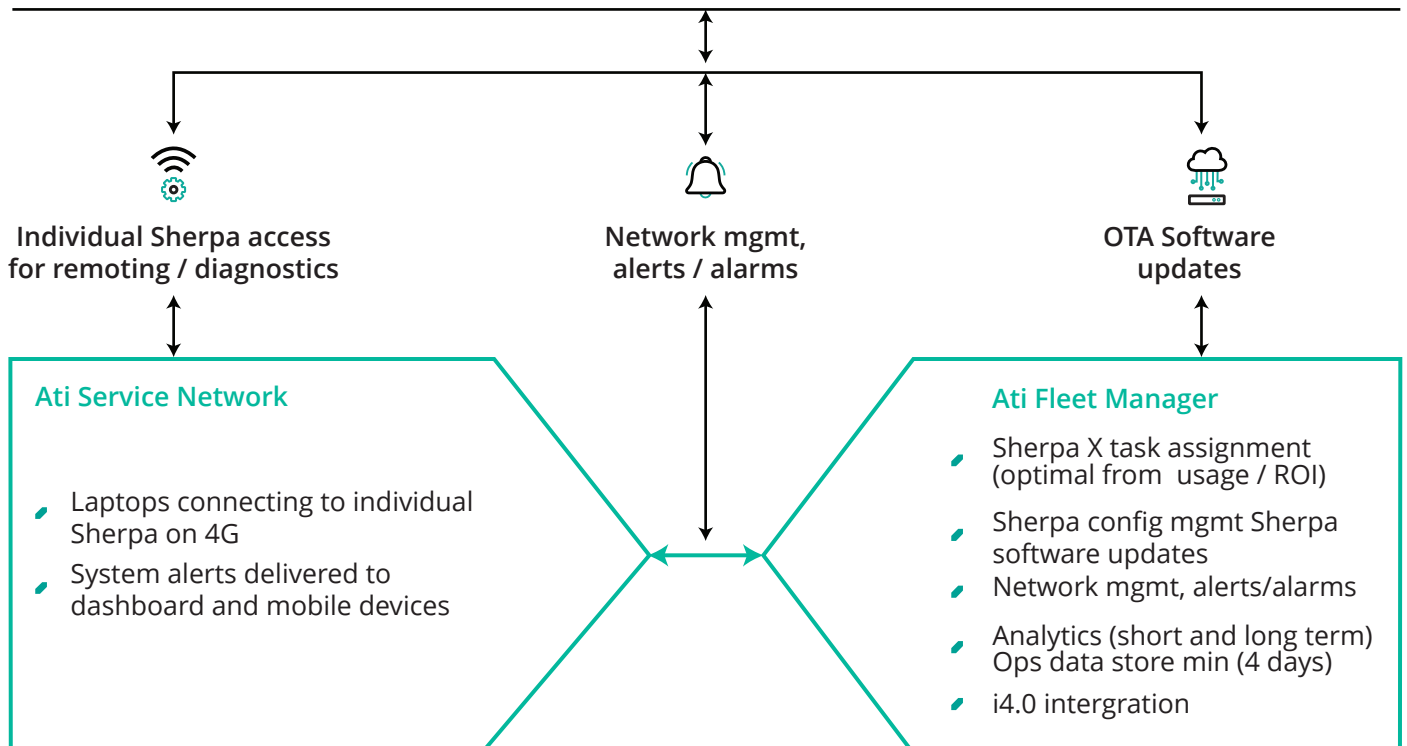
Sherpa  
Single Unit / Fleets



Charging  
systems



Control Terminal  
(Onsite)



## Ati Fleet Manager Offers

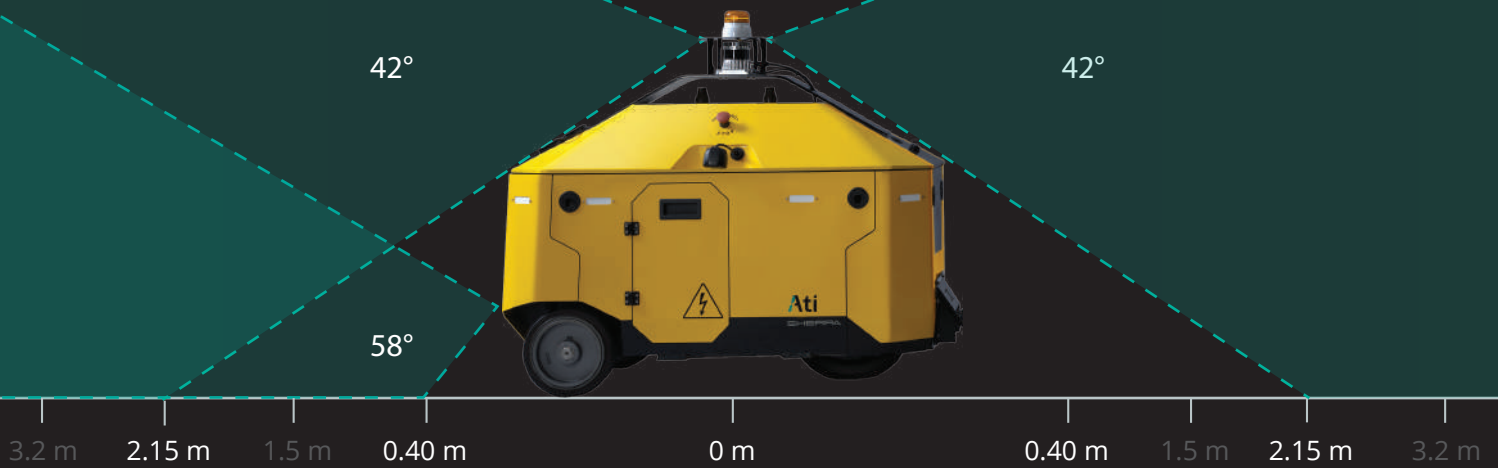
- Fleet Traffic Management
- Fleet Analytics & Scheduler
- Fleet Diagnostics

# Sherpa Tug

Autonomous Trolley Puller



## Sensor Coverage



Autonomy Safety Compliance ISO 3691-4:2020

India | Thailand | USA

AMIDC Automation Technologies Pvt. Ltd.

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