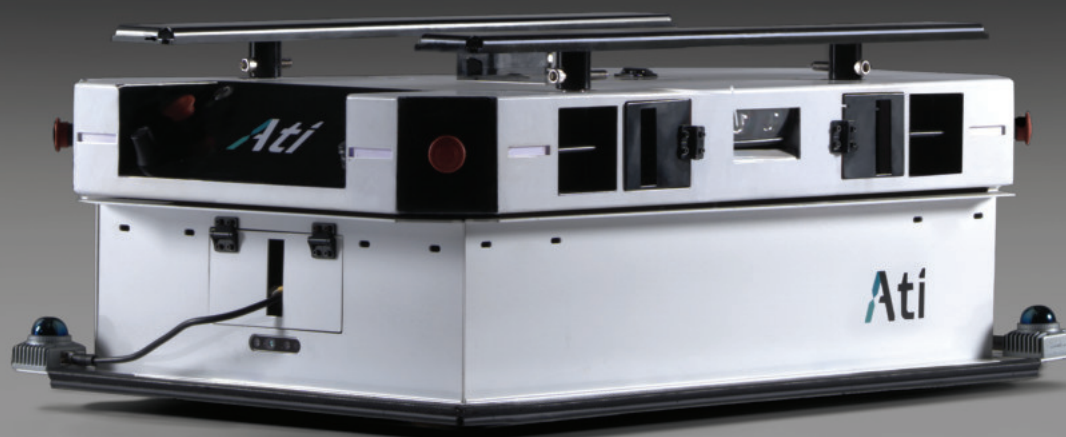


# Ati

## 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

Dimension	1200 x 800 x 275 mm
Weight	~ 350 Kg
Sensors	3D Lidar and Camera
IPX Rating	IPX4
Ground Clearance	30 mm

### Operation

Aisle Width Required	>1200 mm
Max speed	1.5 m/s
Turning Radius	In-place Turn
Gradient	Upto 2%
Temperature	+5 to +45 C°
Lifting Capacity	1000 Kg
Lifting Stroke	100 mm
Positional Accuracy	± 20 mm, ± 2 degree
Travel Direction	Bidirectional

### Battery

Type	48V NMC Lithium-Ion
Weight	18 Kg
Run Time	9 Hrs
Charging Time	2 Hrs
Capacity	55Ah

# 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



## Custom Attachments

Conveyor Top/ Trolley  
Plate/Pallet Plate/ Tunneling  
Pin

# Sherpa Fleet Managed On Ati Fleet Manager

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



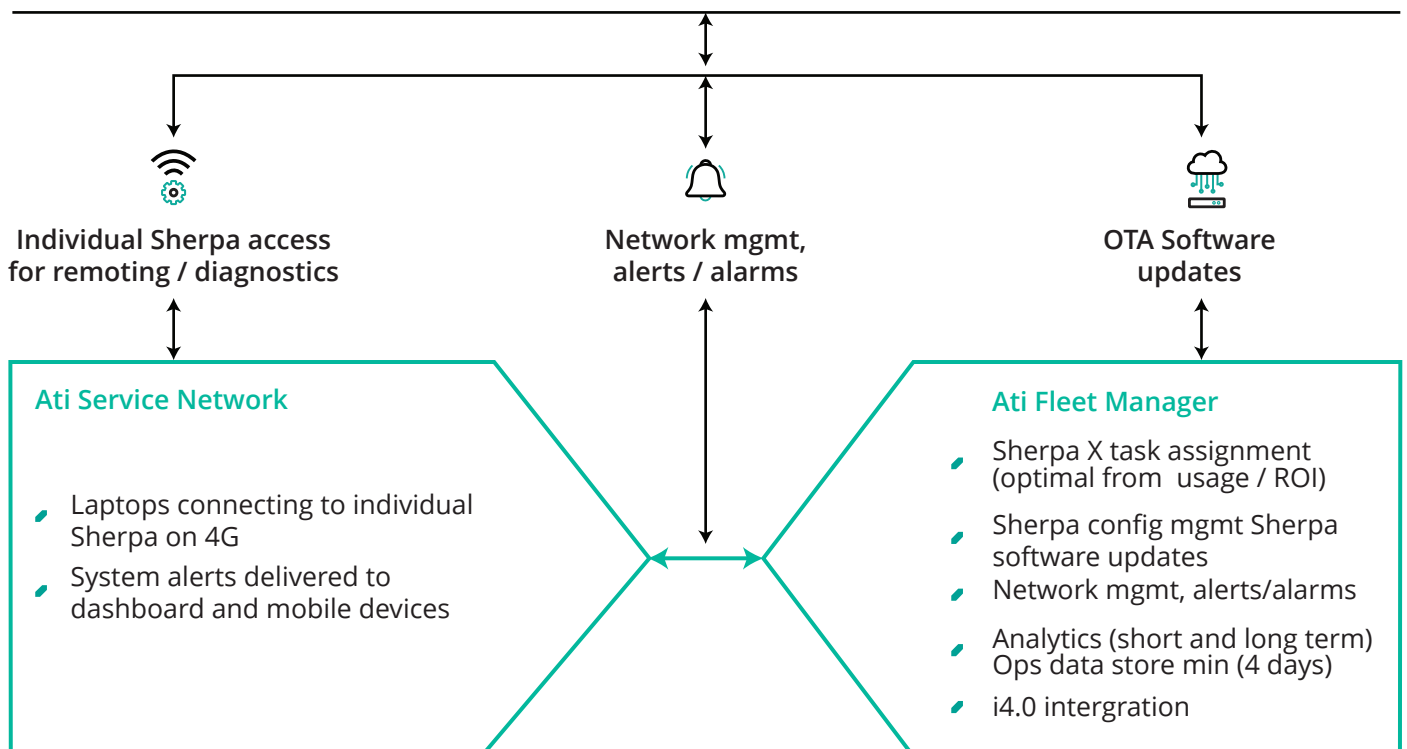
Sherpa  
Single Unit / Fleets



Charging  
systems



Control Terminal  
(Onsite)



## Ati Fleet Manager Offers

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

## Sherpa Lifter

Efficient & Reliable  
Load Handling



## Sensor Coverage

Lidar 59°

Lidar 59°

Camera 58°

Camera 58°



Autonomy Safety Compliance ISO 3691-4

India | Thailand | Vietnam | USA

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