

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.

Automated Solutions

- Auto Hitch / Un-hitch
- Obstacle Avoidance
- Pull Force Monitoring
- 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	1.5 m
Gradient	Upto 2%
Trolley Train	Upto 3 Carts
Temparure	+5 to +45 C°
Tugging Capacity	1000 Kg

Battery

Type	48V NMC Lithium-Ion (Swappable)
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

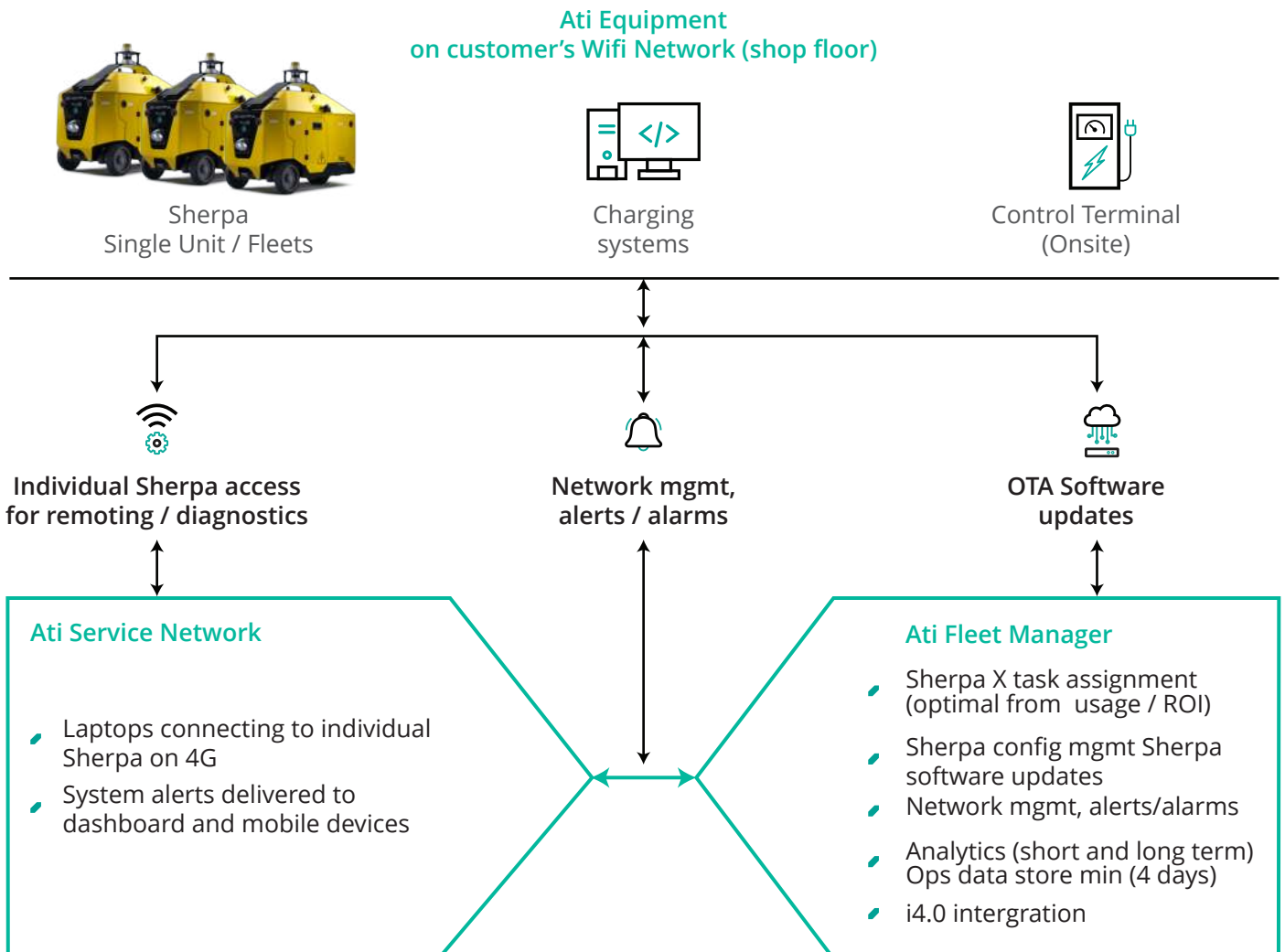
Sherpa is constantly updated to its latest software



Operation

Works Indoor & Outdoor

Sherpa Fleet Managed On Ati Fleet Manager



Ati Fleet Manager Offers

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

Sherpa Tug

Autonomous Trolley Puller



Sensor Coverage



Autonomy Safety Compliance ISO 3691-4

India | Thailand | Vietnam | USA

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