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Ati

SHERPA PIVOT

MANOEUVRABLE | CUSTOMISABLE | PRECISE



SHERPA PIVOT

Sherpa PIVOT is an AMR that can streamline warehouse operations by autonomously transporting customized trailing units of payload up to 500 kg using a combination of 3D LiDAR sensors, cameras, and mapping technology. It navigates dynamically, avoiding obstacles, hence enhancing efficiency by reducing manual labor, optimizing storage, and facilitating quicker order fulfillment.

Upgrades

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

Sherpa Specifications

Physical Specs

| | |
|------------------|----------------------|
| Dimension | 1486 x 578 x 1087 mm |
| Weight | ~ 120 Kg |
| Sensors | 3D Lidar and Camera |
| IPX Rating | IPX4 |
| Ground Clearance | 75 mm |

Operation

| | |
|--------------------------|--------------------|
| Aisle Width Required | >1500 mm |
| Max speed | 1.5 m/s |
| Turning Radius | 2 m |
| Gradient | NA |
| Trolley Train | NA |
| Temperature (degree) | +5 to +45 |
| Tugging Capacity | 500 Kg Payload |
| Nominal Pulling Capacity | NA |
| 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

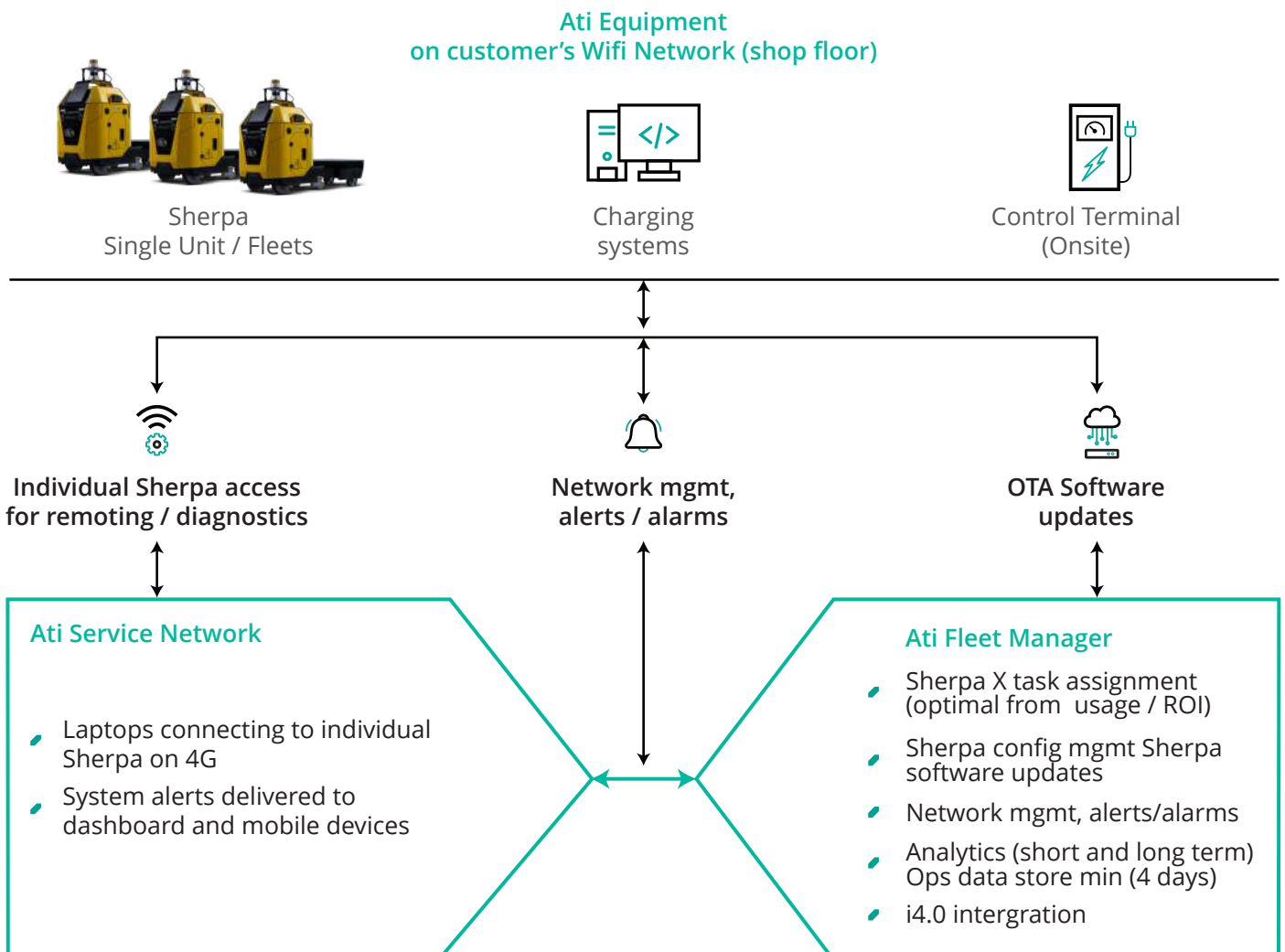
Sherpa is constantly updated to its latest software



Operation

Works Indoor & Outdoor

Sherpa Fleet Managed On Ati Fleet Manager



Ati Fleet Manager Offers

• Fleet Traffic Management

• Fleet Analytics & Scheduler

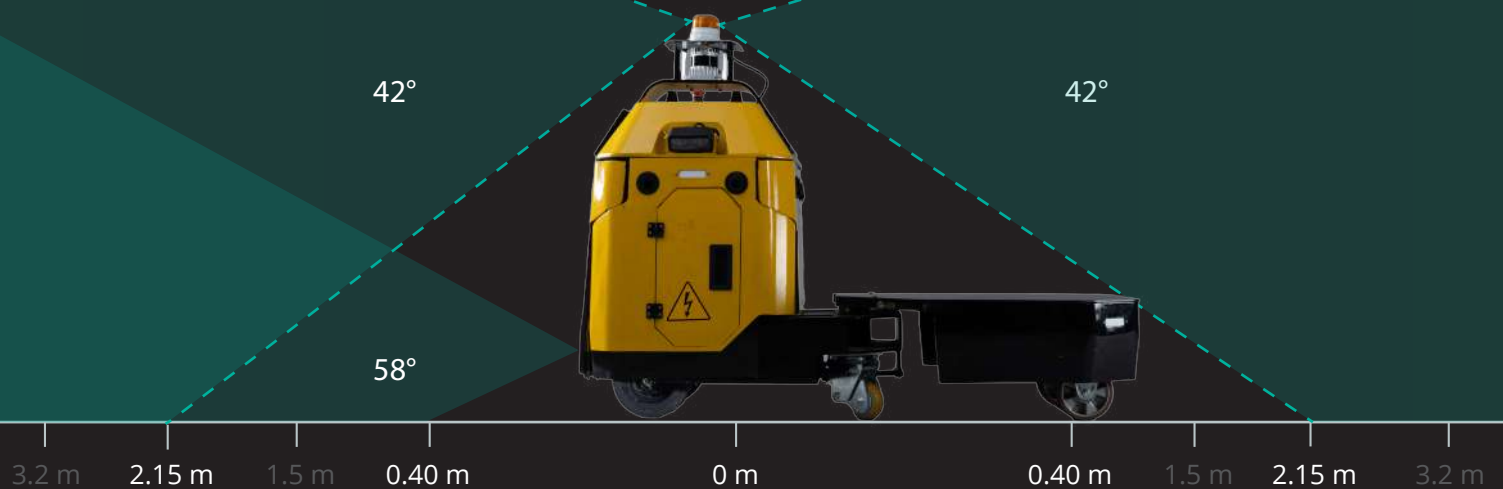
• Fleet Diagnostics

Sherpa Pivot

Experience precision and versatility for every move



Sensor Coverage



Autonomy Safety Compliance ISO 3691-4:2020

India | Thailand | USA

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