

Ati

SHERPA PALLET MOVER

ROBUST | ACCURATE | CONSISTENT



SHERPA PALLET MOVER

The Sherpa Pallet-Mover (AMR) streamlines warehouse operations by autonomously lifting and transporting pallets. Utilizing a combination of LiDAR sensors, cameras, and mapping technology, it dynamically navigates while avoiding obstacles. Streamline operations, minimize manual labor, and accelerate order fulfillment with this efficient solution.

Automated Solutions

- AI Pallet Detection
- Obstacle Avoidance
- Force Monitoring
- Fleet operation
- Manual Override
- Erp Integration

Sherpa Specifications

Physical Specs

| | |
|------------------|----------------------|
| Dimension | 1700 x 700 x 1490 mm |
| Weight | ~ 350 Kg |
| Sensors | 3D Lidar and Camera |
| Ground Clearance | 25 mm |

Operation

| | |
|----------------------|-----------------|
| Aisle Width Required | >1800 mm |
| Max speed | 1.2 m/s |
| Turning Radius | 1.7 m |
| Temperature | +5° C to +45° C |
| Lifting Capacity | 1000 Kg |
| Lifting Stroke | 100 mm |
| Gradient | Upto 2% |

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

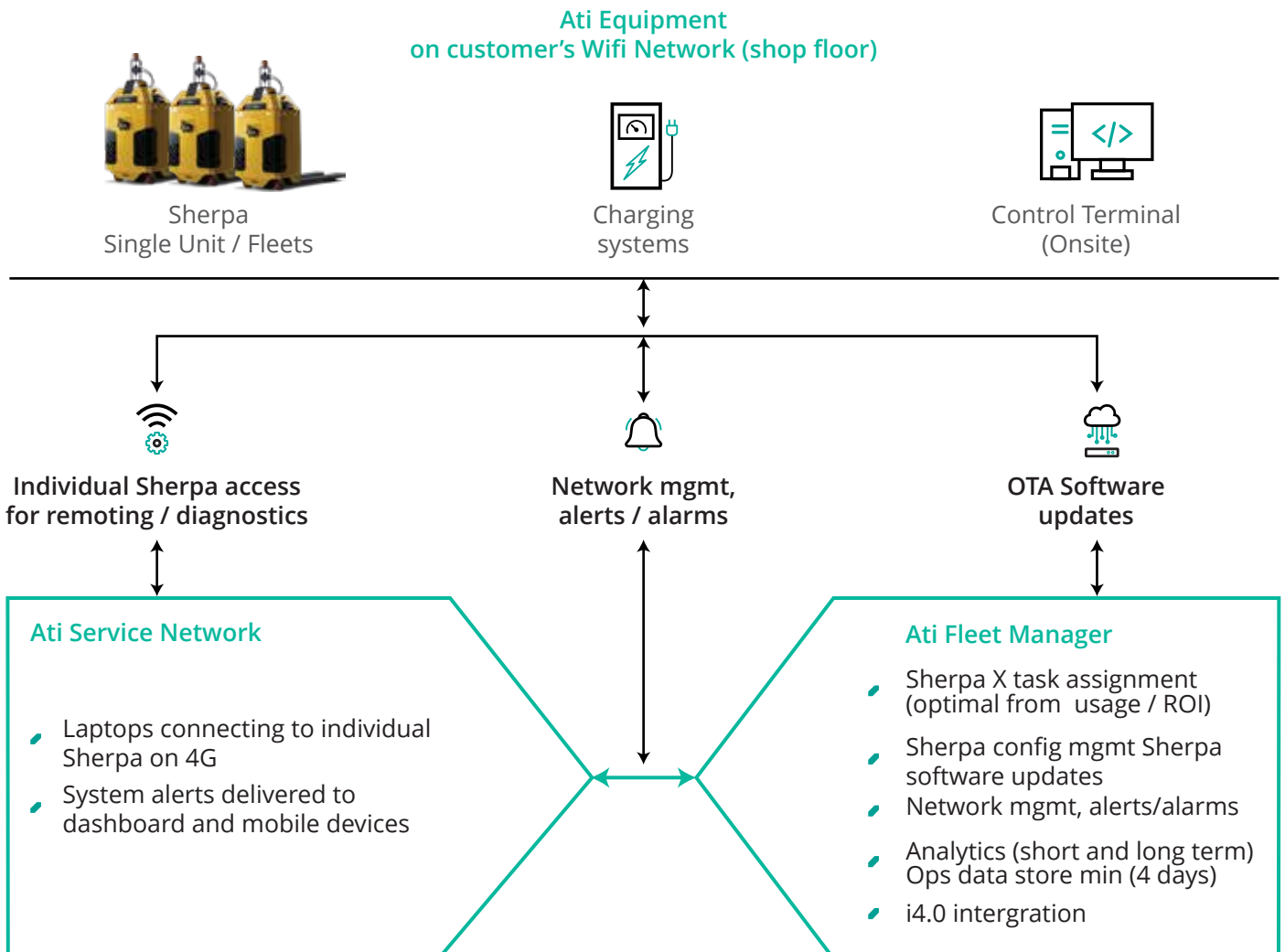
Can be integrated with Factory MIS, WMS



OTA Updates

Sherpa is constantly updated to its latest software

Sherpa Fleet Managed On Ati Fleet Manager



Ati Fleet Manager Offers

• Fleet Traffic Management

• Fleet Analytics & Scheduler

• Fleet Diagnostics

Sherpa Pallet Mover

Efficient & Reliable
Pallet Handling



Sensor Coverage



Autonomy Safety Compliance ISO 3691- 4

India | Thailand | Vietnam | USA

AMIDC Automation Technologies Pvt. Ltd.

#19/A, 2nd Stage, Outer Ring Rd, Goraguntepalya, Bengaluru, Karnataka 560022

Mail: info@atimotors.com | Web: www.atimotors.com