



Startrit Infratech Pvt. Ltd.

AMR-XTM Autonomous Mobility Robot

AMR for Smart Parking, Towing & Traffic
Flow Management



Business Made Easy

Startrit Infratech Pvt Ltd's AMR-X™

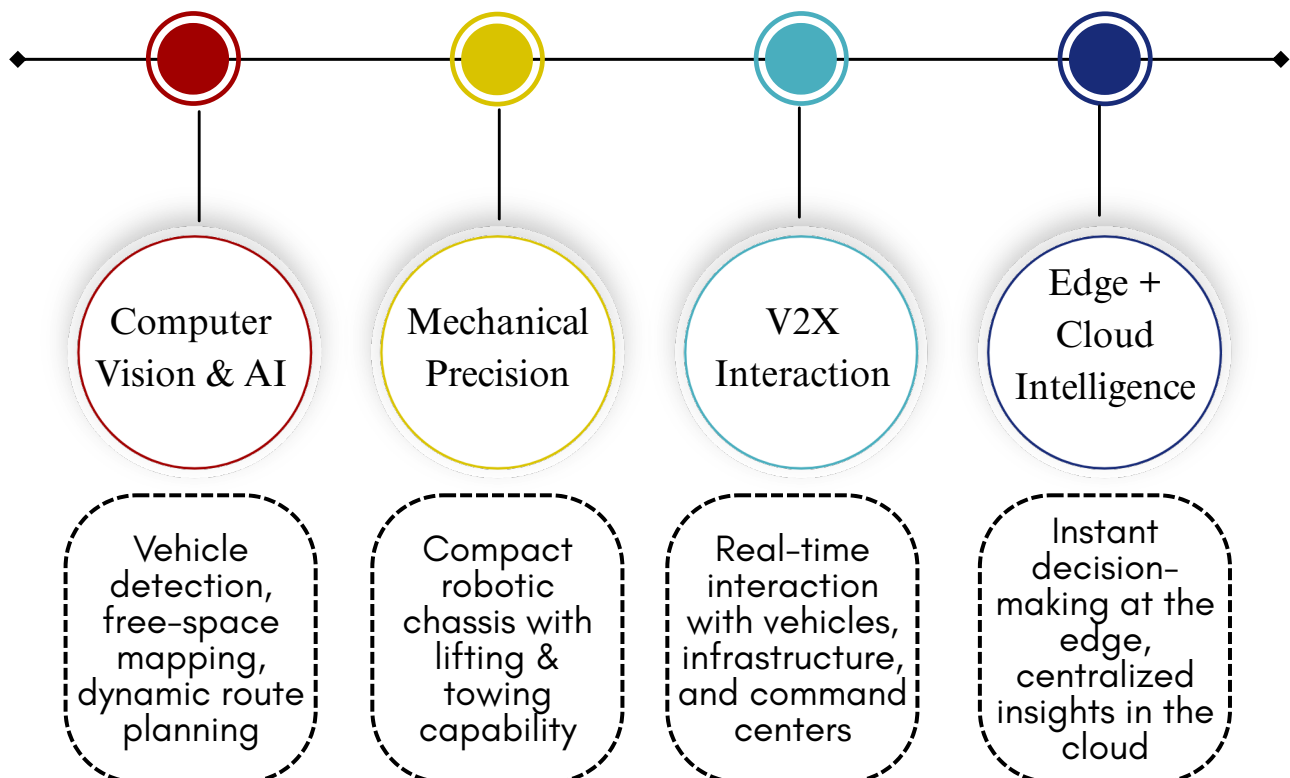
A fully autonomous mobility robot ensuring zero human intervention, unparalleled space utilization, and priority routing for emergency vehicles.

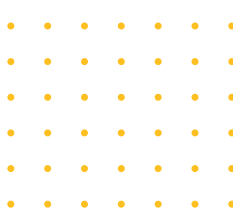
Overview

Managing vehicle chaos at high-footfall zones—malls, convention centers, schools, restaurants, hospitals, and city centers—is no longer a logistical inconvenience. It's a missed opportunity to enhance safety, improve efficiency, and elevate the customer experience.

AMR-X™ is a fully autonomous mobility robot designed to redefine parking and traffic flow orchestration. Unlike conventional parking assistants, AMR-X™ actively tows and parks vehicles up to a 5 km radius and orchestrates traffic redirection in real-time. It ensures zero human intervention, unparalleled space utilization, and priority routing for emergency vehicles.

Technology driving AMR-X™





Key Capabilities

Autonomous Parking & Towing



- Detects, lifts, and transports vehicles to the nearest available spot—designated or undesignated.
- Operates within a 5 km dynamic parking radius from point-of-entry
- Supports valet-style automation, reducing human workforce needs.

Traffic Flow Orchestration



- Re-routes incoming vehicles based on real-time congestion.
- Alleviates choke points by dynamically coordinating entry/exit lanes.
- Prioritizes ambulances, fire trucks, and other emergency vehicles through intelligent signal control and **AMR**-led clearing paths.

Use-Anywhere Parking



- Enables optimized parking in high-density, low-space zones: side lanes, narrow alleys, private lots, etc
- Perfect for venues without formal parking infrastructure.

Centralized Control & Dashboard

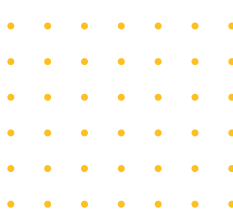


- Live status of AMRs, parked vehicles, congestion zones.
- Predictive analytics for crowd planning and incident management.
- Seamless integration with city traffic command centers and event management systems.

Driver Communication System



- Notifies drivers with updates on parking availability, wait times, and traffic alerts.
- App-based request and vehicle tracking features for end-users.



Real-World Use Cases



Shopping Malls & Retail Plazas

- Peak weekend rush? Let **AMR-X™** scan, assign, and auto-park vehicles within a 5 km radius.
- Optimize customer footfall with frictionless parking experiences



Convention & Exhibition Centers

- Manage thousands of vehicles without expanding physical infrastructure.
- Orchestrate safe, smooth, and queue-free entries and exits.



Hospitals & Emergency Corridors

- Clear traffic for ambulances in seconds.
- Auto-divert parked or stranded vehicles obstructing emergency lanes.



Schools, Colleges & Stadiums

- Regulate chaotic drop-offs and pickups.
- Park overflow vehicles to nearby off-site locations via autonomous towing.



Theatres, Religious Gatherings & Temporary Events

- Turn any open land or side street into organized parking.
- Deploy on-demand **AMR** fleets with zero manual setup.

Benefits

50%

Reduction in
Congestion at
Entry/Exit Points

30%

Increase in
Effective Parking
Space

100%

Hands-Free
Vehicle Handling

40%

Improvent in
emergency
response time



Enhanced Customer
Satisfaction &
Venue Reputation





Business Made Easy

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