

AMR DEVELOPMENT STRATEGIC PLAN 2022-2024

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NaviFloor Robotics, Inc.

Confidential and Proprietary

Approved by Board of Directors on December 15, 2021

1. EXECUTIVE SUMMARY

This Autonomous Mobile Robot (AMR) Development Strategic Plan (the "Strategic Plan") sets forth NaviFloor Robotics, Inc.'s ("Company") product development roadmap and strategic initiatives for calendar years 2022 through 2024. This

document serves as the governing framework for the Company's research, development, and commercialization activities.

2. DEFINITIONS

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- 1. "AMR Platform" means the Company's proprietary autonomous mobile robot platform.
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- 2. "Core Technology" means the Company's proprietary terrain-mapping and navigation technology.
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- 3. "Development Milestones" means the specific technical and commercial objectives that the Company has identified as key milestones in its development process.

3. STRATEGIC OBJECTIVES

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1. ****Primary Development Goals****

- a) Enhance multi-surface navigation capabilities across diverse industrial environments
- b) Expand fleet management capacity to support 500+ simultaneous AMR deployment
- c) Achieve ISO/TS 15066:2016 compliance for collaborative robotics applications
- d) Develop edge computing capabilities for reduced latency in complex operations

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2. ****Market Position Objectives****

- a) Establish market leadership in multi-level industrial facility automation
- b) Expand serviceable market to include high-complexity manufacturing environments
- c) Achieve 40% market share in target vertical of distribution centers >500,000 sq ft

4. DEVELOPMENT MILESTONES

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1. **2022 Milestones**

- a) Release NaviFloor OS 4.0 with enhanced terrain-mapping algorithms
- b) Complete development of next-generation LiDAR integration system
- c) Achieve TÜV certification for updated safety protocols
- d) Launch beta testing for predictive maintenance module

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2. **2023 Milestones**

- a) Deploy machine learning-enhanced navigation system
- b) Complete development of multi-robot coordination protocol
- c) Release enterprise-grade fleet management dashboard

d) Implement advanced obstacle avoidance system

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3. **2024 Milestones**

a) Launch fully autonomous fleet orchestration system

b) Complete integration with major WMS/MES platforms

c) Achieve sub-millimeter positioning accuracy

d) Deploy edge computing nodes for distributed processing

5. RESOURCE ALLOCATION

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1. **Research & Development**

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Annual R&D budget: 28% of projected revenue

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Core engineering team expansion to 85 FTEs by Q4 2023

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External research partnerships with specified academic institutions

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2. ****Capital Investment****

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Testing facility expansion: \$4.5M (2022)

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Laboratory equipment: \$2.8M (2022-2023)

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Simulation infrastructure: \$1.2M (2023)

6. RISK MANAGEMENT

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1. **Technical Risks**

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Component supply chain disruption contingency plans

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Redundancy requirements for critical systems

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Fallback protocols for navigation systems

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2. **Regulatory Compliance**

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Quarterly safety standard reviews

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Continuous monitoring of relevant regulatory changes

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Regular third-party compliance audits

7. INTELLECTUAL PROPERTY PROTECTION

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1. The Company shall file patent applications for all novel developments arising from its research and development activities.

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2. Trade secret protection protocols shall be maintained for all proprietary algorithms, processes, and data.

8. PERFORMANCE METRICS

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1. **Technical Metrics**

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Navigation accuracy: 99.99%

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System uptime: 99.95%

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Processing latency: <10ms

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2. ****Commercial Metrics****

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Customer deployment success rate: >95%

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Implementation timeline: <45 days

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Customer retention rate: >90%

9. AMENDMENTS AND UPDATES

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1. This Strategic Plan shall be reviewed quarterly by the Technology Steering

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2. Material modifications require Board approval and shall be documented th

10. CONFIDENTIALITY

This Strategic Plan contains confidential and proprietary information of NaviFloor Robotics, Inc. and is subject to the terms of the Company's standard non-disclosure agreements.

APPROVAL AND EXECUTION

IN WITNESS WHEREOF, this Strategic Plan has been approved and adopted by the
Board of Directors of NaviFloor Robotics, Inc. on December 15, 2021.

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Dr. Sarah Chen

Chief Executive Officer

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Marcus Depth

Chief Technology Officer

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James Wilson

Chief Financial Officer

