# FIELD DEPLOYMENT AND INSTALLATION MANUAL - COMMERCIAL SITES

## FIELD DEPLOYMENT AND INSTALLATION

**NaviFloor Robotics, Inc.**

*Document Version: 3.2*

*Effective Date: January 15, 2024*

## 1. SCOPE AND PURPOSE

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1. This Field Deployment and Installation Manual ("Manual") governs all co

2. This Manual is a controlled document subject to Company's document cor

## 2. DEFINITIONS

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1. "Authorized Personnel" means Company employees or certified contracto

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2. "Commercial Site" means any customer facility where Company's AMR s

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3. "Installation Zone" means the designated area within a Commercial Site w

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4. "System Components" includes all hardware, software, and infrastructure

## 3. PRE-INSTALLATION REQUIREMENTS

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1. Site Assessment

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Complete NaviFloor Site Survey Form (Doc. REF-SA-101)

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Verify floor load ratings and surface conditions

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Document existing infrastructure and potential interference sources

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Validate wireless network coverage and signal strength

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Identify charging station locations and power requirements

2. Safety Compliance

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Obtain all necessary permits and approvals

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Verify compliance with local building codes

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Complete OSHA-required safety documentation

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Review emergency protocols with site management

## 4. INSTALLATION PROCEDURES

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1. System Layout

Mark Installation Zone boundaries per approved site plan

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Install physical markers and navigation beacons

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Verify line-of-sight requirements for LiDAR systems

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Document deviation from standard layout specifications

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2. Infrastructure Setup

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Install charging stations per specification NF-CS-2024

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Configure local network components

Deploy edge computing units

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Calibrate environmental sensors

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3. AMR Deployment

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Unpack and inspect AMR units

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Execute initial calibration sequence

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Load site-specific navigation maps

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Perform surface adaptation programming

# 5. TESTING AND VALIDATION

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1. Required Tests

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Navigation accuracy verification

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Obstacle detection response

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Emergency stop functionality

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Network connectivity stability

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Battery charging cycle completion

Multi-surface transition performance

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2. Acceptance Criteria

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99.9% navigation accuracy within specified zones

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Zero collision incidents during 24-hour test period

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Maximum 100ms latency in control responses

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Successful completion of all programmed tasks

## 6. DOCUMENTATION REQUIREMENTS

1. Installation Records

- Completed installation checklist
- As-built drawings
- Network configuration details
- Calibration certificates
- Test results documentation

2. Customer Deliverables

System configuration manual

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Emergency procedures guide

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Maintenance schedule

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Training materials

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Warranty documentation

## 7. LIABILITY AND COMPLIANCE

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1. The Company assumes no liability for installations performed by non-Aut

2. All installations must comply with Company's Standard Operating Proced

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3. This Manual is confidential and proprietary to NaviFloor Robotics, Inc. U

## 8. MAINTENANCE AND UPDATES

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1. This Manual shall be reviewed annually and updated as required to reflect

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2. Authorized Personnel must complete refresher training on updated proced

## APPROVAL AND EXECUTION

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**Date: _**

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