EMERGENCY SHUTDOWN PROCEDURES - PRODUCTION FLOOR

EMERGENCY SHUTDOWN PROCEDURES - I

NaviFloor Robotics, Inc.

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1. PURPOSE AND SCOPE

Version: 3.1

1. This document establishes mandatory procedures for emergency shutdown

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2. These procedures apply to all production floor personnel, robotics engineer
2. DEFINITIONS
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1. "Emergency Shutdown" means the immediate cessation of all AMR operation
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2. "Production Floor" refers to any area where NaviFloor AMR units are open
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3. "Critical Systems" include the NaviFloor Fleet Management Platform, Lil
3. EMERGENCY SHUTDOWN AUTHORITY

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1. The following personnel are authorized to initiate emergency shutdown p
a) Shift Supervisors
b) Safety Officers
c) Production Floor Managers
d) Certified AMR Operators
e) Emergency Response Team Members

4. SHUTDOWN PROTOCOLS

2. Any employee may activate emergency stop buttons in immediate danger

1. Level 1 - Individual Unit Shutdown

- a) Press unit-specific emergency stop button
- b) Confirm visual indicator of shutdown status
- c) Log shutdown in Fleet Management Platform
- d) Notify floor supervisor immediately

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- 2. Level 2 Zone Shutdown
- a) Activate zone control terminal
- b) Execute "Zone Safe Stop" command
- c) Verify all units in affected zone have ceased operation
- d) Engage physical barriers where applicable

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- 3. Level 3 Facility-Wide Shutdown
- a) Activate master emergency shutdown system

b) Configm shutdown signal receipt across all units
c) Initiate backup power systems
d) Execute data preservation protocol

5. COMMUNICATION REQUIREMENTS

1. Upon initiating any shutdown level, immediately notify:
a) Floor Safety Coordinator
b) Facility Manager
c) Technical Support Team
d) Emergency Response Team (if applicable)

2. Document the following information:

a) Time and date of shutdown
b) Shutdown level initiated
c) Reason for shutdown
d) Units/zones affected
e) Personnel involved
6. SAFETY PROTOCOLS
1. Personnel must maintain safe distances from AMR units during shutdown
2. Emergency exits and evacuation routes must remain clear at all times.
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3. Personal protective equipment requirements remain in effect during shutder
7. SYSTEM VERIFICATION
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1. Prior to restart, Technical Support must:
a) Conduct full system diagnostics
b) Verify terrain-mapping calibration
c) Confirm LiDAR sensor functionality
d) Test emergency stop systems
e) Validate communication protocols
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2. Documentation of all verification steps must be recorded in the Fleet Man

8. RESTART PROCEDURES

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- 1. Restart authorization required from:
- a) Technical Support Lead
- b) Safety Officer
- c) Production Floor Manager

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- 2. Systematic restart sequence:
- a) Power systems verification
- b) Navigation system initialization
- c) Incremental unit activation
- d) Operation confirmation

9. COMPLIANCE AND TRAINING

1. All authorized personnel must complete Emergency Shutdown Training at

- 2. Quarterly shutdown drills are mandatory for all production floor staff.
- 3. Training records must be maintained in compliance with ISO 9001:2015 r

10. DOCUMENT CONTROL

1. This document is controlled by the NaviFloor Robotics Safety and Compl

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2. Annual review required with updates as needed for regulatory compliance

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3. Distribution limited to authorized personnel only.

11. LEGAL DISCLAIMER

These procedures are proprietary to NaviFloor Robotics, Inc. and contain confidential information. Unauthorized distribution or reproduction is prohibited. While NaviFloor Robotics has made every effort to ensure the accuracy and completeness of these procedures, we assume no liability for damages arising from their use or implementation.

APPROVAL

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Date: January 15, 2024

