

EMERGENCY RESPONSE PROTOCOL - AUTOMATED SYSTEMS

EMERGENCY RESPONSE PROTOCOL - AUT

Polar Dynamics Robotics, Inc.

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1. PURPOSE AND SCOPE

1. This Emergency Response Protocol ("Protocol") establishes manda

2. This Protocol applies to all Company personnel, authorized service

2. DEFINITIONS

1. "Critical Incident" means any unplanned event or condition that:

- a) Causes AMR system shutdown in temperatures below -20 C
- b) Results in navigation system failure affecting multiple units
- c) Triggers BlueCore(TM) emergency protocols
- d) Creates risk to facility personnel or inventory
- e) Leads to complete cessation of automated operations

2. "Emergency Response Team" or "ERT" means the designated group

3. IMMEDIATE RESPONSE PROCEDURES

1. Initial Assessment

- a) Control room operator must immediately engage emergency stop p
- b) Verify status of all AMR units in affected zone
- c) Document environmental conditions and system parameters
- d) Notify facility safety coordinator and ERT lead

2. Personnel Safety

- a) Clear all non-essential personnel from affected areas
- b) Establish safety perimeter around malfunctioning units
- c) Ensure proper cold-environment PPE for response team
- d) Activate backup manual logistics procedures

4. TECHNICAL RESPONSE REQUIREMENTS

1. System Diagnostics

- a) Remote diagnostic team shall initiate BlueCore(TM) emergency diagnostic sequence
- b) Evaluate navigation system integrity
- c) Assess power system performance metrics
- d) Document all error codes and system alerts

2. Recovery Operations

- a) Deploy on-site technical team within 60 minutes
- b) Implement manual override procedures if remote restart fails
- c) Conduct physical inspection of affected units
- d) Execute staged system restoration protocol

5. COMMUNICATION PROTOCOLS

1. Internal Notification Chain

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Primary: ERT Lead CTO COO CEO

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Secondary: Facility Manager Safety Officer Legal Department

2. Customer Communication

- a) Account manager must notify customer within 30 minutes
- b) Provide hourly status updates during active incidents
- c) Submit preliminary incident report within 4 hours
- d) Schedule post-incident review within 24 hours

6. DOCUMENTATION REQUIREMENTS

1. Incident Recording

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Time and location of incident

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Environmental conditions

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Units involved

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System status logs

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Personnel present

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Response actions taken

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Recovery timeline

2. Post-Incident Analysis

- a) Root cause analysis report
- b) System performance evaluation
- c) Corrective action recommendations
- d) Preventive measure proposals

7. LIABILITY AND COMPLIANCE

1. The Company shall maintain comprehensive documentation of all e

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OSHA safety regulations

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Customer facility protocols

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Insurance requirements

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ISO 9001:2015 standards

2. This Protocol does not create any additional warranties or guarantees

8. PROTOCOL MAINTENANCE

1. Review Schedule

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Quarterly review by ERT

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Annual comprehensive update

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Post-incident protocol assessment

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Technology upgrade evaluation

2. Training Requirements

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Monthly ERT drills

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Quarterly facility staff training

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Annual certification renewal

9. AUTHORIZATION

This Protocol is authorized and approved by:

Dr. Elena Frost

Chief Executive Officer

Polar Dynamics Robotics, Inc.

Marcus Chen

Chief Technology Officer

Polar Dynamics Robotics, Inc.

Date: January 15, 2024

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