

ROBOTICS LAB SAFETY TRAINING DOCUMENTATION

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Polar Dynamics Robotics, Inc.

Effective Date: January 1, 2024

Document ID: PDR-LAB-2024-001

1. PURPOSE AND SCOPE

1. This Safety Training Documentation ("Documentation") establishes
2. This Documentation applies to all employees, contractors, visitors,

2. DEFINITIONS

1. "Authorized Personnel" means individuals who have completed all
2. "Cold Environment Testing Chamber" means any Company facility
3. "Critical Safety Protocols" means the essential safety procedures s
4. "Laboratory Safety Officer" means the designated Company emplo

3. TRAINING REQUIREMENTS

1. Basic Safety Certification

-

General laboratory safety orientation (4 hours)

- - 2 -

Emergency response procedures

-

Personal protective equipment protocols

-

Chemical handling and storage

-

Electrical safety fundamentals

2. Advanced Robotics Safety Certification

-

Autonomous system safety protocols (8 hours)

-

BlueCore(TM) technology safety procedures

-

Robot movement prediction and avoidance

-

Emergency shutdown procedures

-

Cold environment safety protocols

3. Specialized Training Modules

-

Cryogenic safety procedures

-

Battery handling and maintenance

-

Prototype testing safety protocols

-

Sensor calibration safety measures

4. CRITICAL SAFETY PROTOCOLS

1. Cold Environment Procedures

-

Mandatory use of cold-resistant PPE

-

Maximum exposure time limitations

-

Buddy system requirements

-

Temperature monitoring protocols

-

Emergency warming procedures

2. Robot Operation Safety

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Minimum safe distances from active units

-

Visual and auditory warning systems

-

Motion restriction zones

-

Emergency stop button locations

-

Communication protocols during testing

3. Equipment Safety

-

Pre-operation inspection requirements

-

Maintenance safety procedures

-

Tool and equipment storage protocols

-

Calibration safety requirements

-

Documentation requirements

5. CERTIFICATION AND DOCUMENTATION

1. Training Records

-

Digital documentation of completed modules

-

Annual certification renewal requirements

- - 7 -

Performance evaluation metrics

-

Incident reporting procedures

-

Compliance tracking system

2. Authorization Levels

-

Level 1: Basic laboratory access

-

Level 2: Robotics operation authorization

-

Level 3: Cold chamber testing clearance

-

Level 4: Prototype development access

-

Level 5: Training instructor certification

6. COMPLIANCE AND ENFORCEMENT

1. The Laboratory Safety Officer shall maintain records of all training o
2. Failure to comply with safety protocols may result in immediate rem
3. Annual safety audits shall be conducted to ensure compliance with

7. AMENDMENTS AND UPDATES

1. This Documentation shall be reviewed annually and updated as ne

2. All amendments must be approved by the Chief Robotics Officer and

8. ACKNOWLEDGMENT

I acknowledge that I have read, understood, and agree to comply with the protocols and training requirements outlined in this Documentation.

Name: _

Employee ID: _

Date: _

Signature: _

9. APPROVAL

This Documentation is approved and enacted as of January 1, 2024.

—

Dr. James Barrett

Chief Robotics Officer

Polar Dynamics Robotics, Inc.

—

Sarah Nordstrom

Chief Operating Officer

Polar Dynamics Robotics, Inc.

End of Document

