

ROBOT COMPONENT COST BREAKDOWN

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CONFIDENTIAL AND PROPRIETARY

Polar Dynamics Robotics, Inc.

Document Reference: FIN-2024-CB-001

Last Updated: January 11, 2024

1. DOCUMENT PURPOSE AND SCOPE

1. This Robot Component Cost Breakdown ("Cost Analysis") details the

2. All costs represented herein reflect negotiated supplier agreements

2. CORE MECHANICAL COMPONENTS

1. Reinforced Chassis Assembly

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Base frame (cold-rated steel alloy): \$3,425/unit

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Thermal insulation layer: \$875/unit

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Shock absorption system: \$1,250/unit

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Mounting brackets and hardware: \$645/unit

Total Chassis Cost: \$6,195/unit

2. Drive₂System

-

Cold-rated motors (2x): \$2,850/unit

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Gear reducers: \$1,275/unit

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Wheel assemblies (4x): \$1,680/unit

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Motor controllers: \$925/unit

Total Drive System Cost: \$6,730/unit

3. ELECTRONIC AND CONTROL SYSTEMS

1. Navigation Package

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LiDAR sensors (2x): \$4,250/unit

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Thermal cameras (2x): \$3,875/unit

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Proprietary BlueCore(TM) controller: \$2,950/unit

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Environmental sensors: \$1,425/unit

Total Navigation Cost: \$12,500/unit

2. Power System

-

Cold-resistant battery pack: \$4,850/unit

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Battery management system: \$1,275/unit

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Charging interface: \$725/unit

-

Power distribution modules: \$925/unit

Total Power System Cost: \$7,775/unit

4. SOFTWARE AND LICENSING

1. Embedded Software

-

Navigation software license: \$1,500/unit

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Fleet management system: \$875/unit

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Safety system software: \$725/unit

Total Software Cost: \$3,100/unit

5. ASSEMBLY AND TESTING

1. Direct Labor

-

Mechanical assembly: \$1,850/unit

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Electronic integration: \$1,275/unit

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Quality control testing: \$925/unit

Total Labor Cost: \$4,050/unit

2. Testing and Certification

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Cold chamber testing: \$750/unit

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Safety certification: \$525/unit

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Performance validation: \$475/unit

Total Testing Cost: \$1,750/unit

6. COST SUMMARY AND MARGINS

1. Total Direct Costs

-

Core mechanical components: \$12,925/unit

-

Electronic and control systems: \$20,275/unit

-

Software and licensing: \$3,100/unit

-

Assembly and testing: \$5,800/unit

Total Direct Cost: \$42,100/unit

2. Indirect Costs

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Overhead allocation: \$6,315/unit

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Warranty reserve: \$2,105/unit

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R&D allocation: \$4,210/unit

Total Indirect Cost: \$12,630/unit

3. Total Unit Cost: \$54,730/unit

7. CONFIDENTIALITY AND USE RESTRICTIONS

1. This Cost Analysis contains highly confidential and proprietary information.
2. All costs are subject to change based on market conditions, supplier prices, and other factors.

8. CERTIFICATION

The undersigned hereby certifies that this Cost Analysis accurately reflects the current component costs and manufacturing expenses for the Company's BlueCore(TM) autonomous mobile robot platform as of the date first written above.

POLAR DYNAMICS ROBOTICS, INC.

By: _

Name: Victoria Wells

Title: Chief Financial Officer

Date: January 11, 2024

9. DOCUMENT CONTROL

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