SEPTEMBER 2024

Investor Presentation

BioStem TECHNOLOGIES

LISTED: BSEM

Forward Looking Statements

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Forward-looking statements are neither historical facts nor assurances of future performance. Instead, they are based only on our current beliefs, expectations and assumptions regarding the future of our business, future plans and strategies, projections, anticipated events and trends, the economy and other future conditions. Because forward-looking statements relate to the future, they are subject to inherent uncertainties, risks and changes in circumstances that are difficult to predict and many of which are outside of our control. The Company's actual results and financial condition may differ materially from those indicated in the forward-looking statements. Therefore, you should not rely on any of these forward-looking statements. The following is a list of risks, among others, that could cause actual results to differ materially from those contemplated by the forward-looking statements: the risk that the Company may not be able to achieve or maintain profitability in the future; the risk that the Company has derived the majority of our revenue from a distribution agreement; the risk that a material amount of revenues and accounts receivable are concentrated in one or more customers, and that if the Company loses or experiences a significant reduction in sales, the Company's revenues may decrease substantially and materially affect the Company's results of operations and financial condition; the risk that the Company will be unable to maintain its use of intellectual property; the Company's ability to convince physicians that the products are safe and effective alternatives to existing treatments and that the Company's products should be used in their procedures; the risk that Company will be unable to maintain adequate levels of reimbursement from public and private insurers and health systems and changes to the ways in which the Company's products are reimbursed in various sites of service could adversely impact the Company's financial results; the risk that the FDA may in the future determine that certain of the Company's products that are, or are derived from, human cells or tissues, do not qualify for regulation solely under Section 361 of the Public Health Service Act, and may require that the Company revise its labeling and marketing claims for these products or that the Company suspend sales of such products until FDA pre-market clearance or approval is obtained, which could adversely affect the Company's business, results of operations, and financial condition; the risk that the rate of reimbursement and coverage for the purchase of the Company's products by government and private insurance may change; and the risk that the Company may not meet the listing standards of the Nasdaq Stock Market.

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ABOUT BIOSTEM TECHNOLOGIES

Mission Statement

BioStem is a commercial-stage company focused on the development, manufacture, and commercialization of placental-derived allografts for advanced wound care.

BioStem's mission is to be the global leader in regenerative medicine, continuously innovating to develop and deliver advanced wound care solutions that enhance and improve the quality of life for patients.

KEY STATISTICS

Corporate Highlights

Commercial Stage Company

- Leveraging the Company's proprietary BioREtain® processing method, have 4 placental-derived allograft products on the market for advanced wound care healing

Large Market Opportunity

- Addressing a multi-billion-dollar commercial opportunity within the chronic wound healing segment across: Wound Management, Surgical Care, and Ocular Repair

Strong Margin & Revenue Growth | *2024 has been a breakout year with record revenue*

- Revenue of $41.9M in Q1, $74.5M in Q2, & $116.4M for 1H
- Gross Margins: ~95% reported for Q2
- Net Income of $6.3M reported for Q2 ($0.39 per share)

Scalable cGTP Manufacturing Facility

- 6,100 sq/ft accredited, cGTP certified manufacturing facility located in Pompano Beach, FL

Strong Growth Potential

- Robust organic growth underway supported by new product development

Key Statistics

As of September 6, 2024

Symbol:
- OTC: BSEM

Price:
- $9.57

Market Capitalization:
- $156M

Shares Outstanding:
- 16.34M

Fully Diluted Out:
- 22,434,375

52 Week Range:
- $1.20 - $15.50

Average Volume:
- 26,304

Headquarters:
- Pompano Beach, FL

Technology Highlights & Product Offerings

POWERED BY BIORETAIN® PROCESSING TECHNOLOGY

Differentiated Commercial Product Portfolio

WOUND CARE

AmnioWrap2™

2024 REVENUE Driver

- ✓ Placental Allograft
- ✓ Retain all Native Layers
  - Amnion
  - Chorion
  - Spongy

VENDAJE AC®

- ✓ Placental Allograft
- ✓ Retain all Native Layers
  - Amnion
  - Chorion
  - Spongy

VENDAJE®

- ✓ Placental Allograft
- ✓ Retains only Amnion Layer

OPTIC

VENDAJE OPTIC®

- ✓ Placental Allograft
- ✓ Retains only Amnion Layer

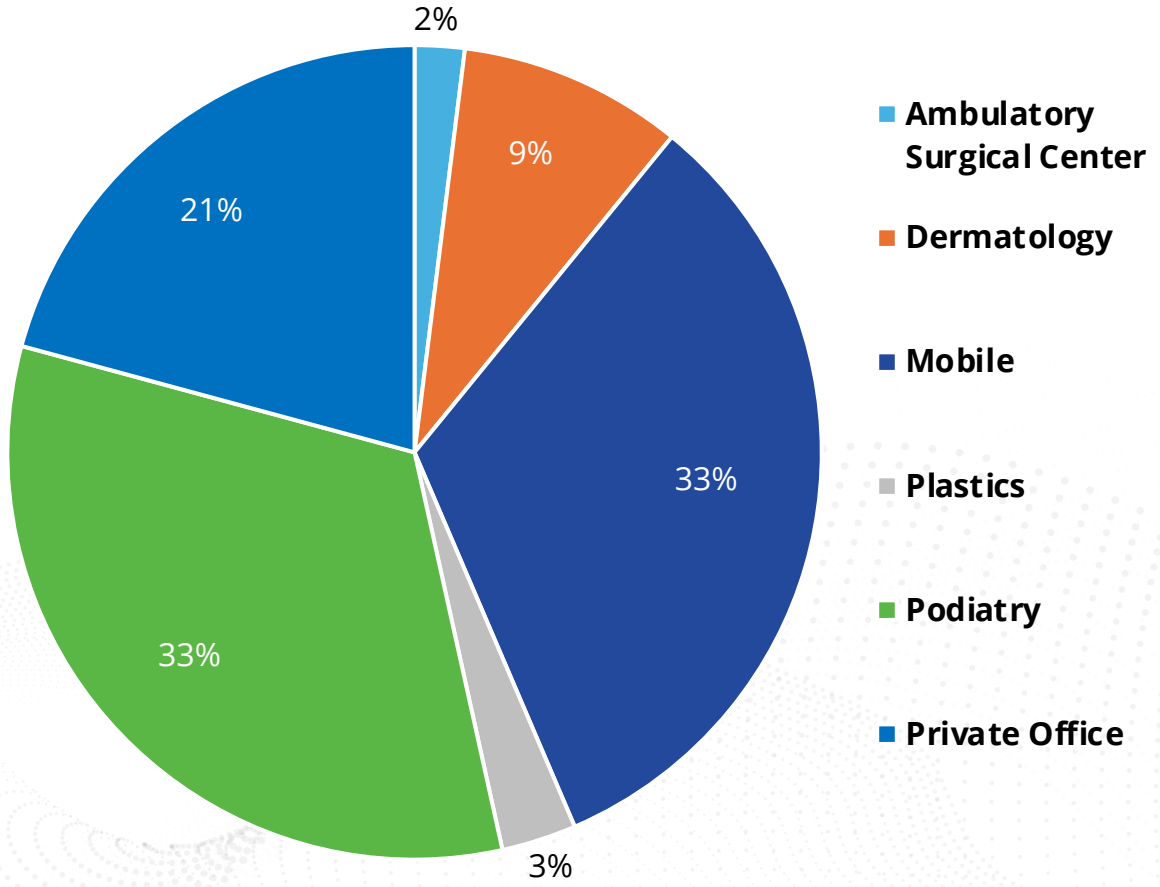
APPLICATION & REVENUE

BioStem Product Segments

BioStem Products Have Application in Numerous Types of Patient Care Facilities

BioStem Revenue by Site of Service

(Inception to Date)



LEADING PROPRIETARY TECHNOLOGY

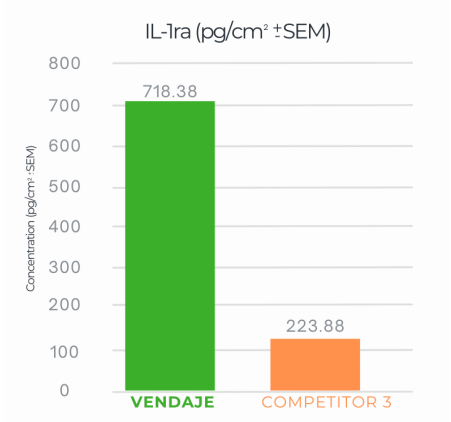
Products Powered by BioREtain®

BioStem's Patented, Differentiated Process

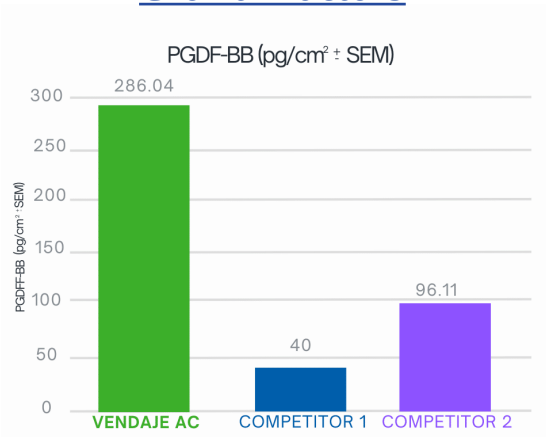
- The patented six-step BioREtain® process preserves the natural integrity of the amniotic tissue factors critical to the healing process.

Demonstrated Superiority of BioREtain Over Competitors*

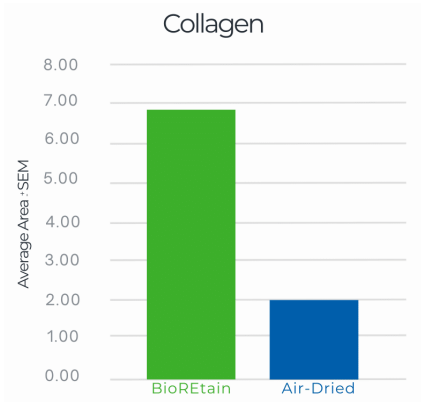
Anti-inflammatory Cytokines



Growth Factors



Extracellular Matrix



*Sabol, et al., *Standardized Reporting of Amnion and Amnion/Chorion Allograft Data for Wound Care,* Health Sci Rep. (Aug. 23, 2022).

HIGHLIGHTS

Retaining more of the key components of the amniotic tissue:

- Extracellular matrix
- Growth factors
- Anti-inflammatory cytokines

BioREtain studies have shown:

- Faster wound healing times
- Fewer required applications
- Reduced cost to the healthcare system
- Improved patient outcomes

Patents and Intellectual Property

	Pending	Issued	Total
Placental Tissue	24	3	27
BioREtain	4	1	5
Auxocell	0	37	37
Total	**28**	**41**	**69**

Grouped International Pending Applications and Granted Patents

- **Tissue Mincing Apparatus (15)**
- **Systems and Methods for Processing Cells (22)**
- **Processing and Factor Retention (5)**
- **Peyronie's Disease (8)**
- **Dermal (2)**
- **Clotting (4)**
- **Joint (4)**
- **AC Particulate (2)**
- **Notched Fenestration (5)**

PROPRIETARY PRODUCT DEVELOPMENT

Placental Donation Network & Allograft Process

Placental Donation Network

1. Expectant Mom Introduced To Donation And Recovery Program
2. Mom Consents to Donate and Completes FDA Donor Screening Assessment
3. Delivery of Healthy Baby in the US
4. Donated Placental Tissue Recovered

Placentas Recovered To-date Via Donor Recovery Partners **5,000+**

Proprietary Technology

5. Microbiology Testing of Donor Tissue
6. Proprietary Processing and Terminal Sterilization
7. 4-Year Shelf-Stable Packaged Product

Allografts Distributed To-date **100,000+**

FDA CLEARED

Regulatory Pathway Overview

Regulatory Pathway	Our Products 361	Biologic Drugs 351
Human Tissue (i.e., placental tissue)	When minimally manipulated	When more than minimally manipulated
Indication for Use	Homologous use*	As indicated by clinical trial
Manufacturing Process	cGTP	CGMP
FDA Oversight	Regulated by the FDA for risk of disease transmission FDA CLEARED	Approved by the FDA for a specific indication for use

MANUFACTURING FACILITY AND CLEAN ROOMS

AATB® Accredited, cGTP Manufacturing Facility

Vertically Integrated Manufacturing Facility:

- 30+ Years of Allograft Processing Experience
- 6,100 Sq/ft Manufacturing Facility
- 1,500 Sq/ft ISO clean room space
- Expanding to 3,000 Sq/ft ISO space in Q3 – ‘24
- 24-7 Environmental Monitoring with Reese Monitoring
- 30 KW Back Up Power System
- Membrane Manufacturing Capacity
- Currently Processing 30k Sq/cm Monthly
- Additional Capacity to Meet Future Demand
- **Facility Located in Pompano Beach, FL**

SALES & MARKETING

Exclusive Commercial and Distribution Partnership with Venture Medical

VENTURE MEDICAL

&

BioStem TECHNOLOGIES

About Venture Medical Partnership:

- **Industry Leader**: Premier commercialization master distributor, reseller, and service provider in the U.S.
- **Expert Salesforce**: Extensive, wound healing-focused sales team equipped with cutting-edge marketing strategies
- **End-to-End Support**: Provides solutions, including commercialization, reimbursement, logistics, and billing

Partnership Signed in September 2023:

- **Nationwide Launch**: Secured agreement for the nationwide rollout of AmnioWrap2™ in Q4 2023
- **Significant Growth**: Achieved approximately $116M in revenue in 1H 2024 due to the partnership
- **Future Products**: BioStem and Venture Medical to collaborate on new products in the upcoming quarter
- **Strategic Role**: VM Acts as a national reseller, bona fide service provider, and innovation partner for BioStem

CLINICAL STRATEGY SNAPSHOT

Clinical Data Initiative Underway for Future Growth

Study	Wound Type	Product	Compared To	Design	Status
BR-AC-DFU-101	Non-Healing Diabetic Foot Ulcers (DFU)	AmnioWrap^2	Standard of Care (SOC)	Multi-center, Randomized, Controlled Trial	In Process
BR-AM-DFU-101	Non-Healing Diabetic Foot Ulcers (DFU)	Vendaje®	Standard of Care (SOC)	Multi-center, Randomized, Controlled Trial	In Process
BR-AC-VLU-101	Non-Healing Venous Leg Ulcer (VLU)	AmnioWrap^2	Standard of Care (SOC)	Multi-center, Randomized, Controlled Trial	Q4

Leading with clinical trials to demonstrate superiority of BioREtain over the competition

Expand payor coverage across commercial plans, Medicare Advantage, and Medicaid

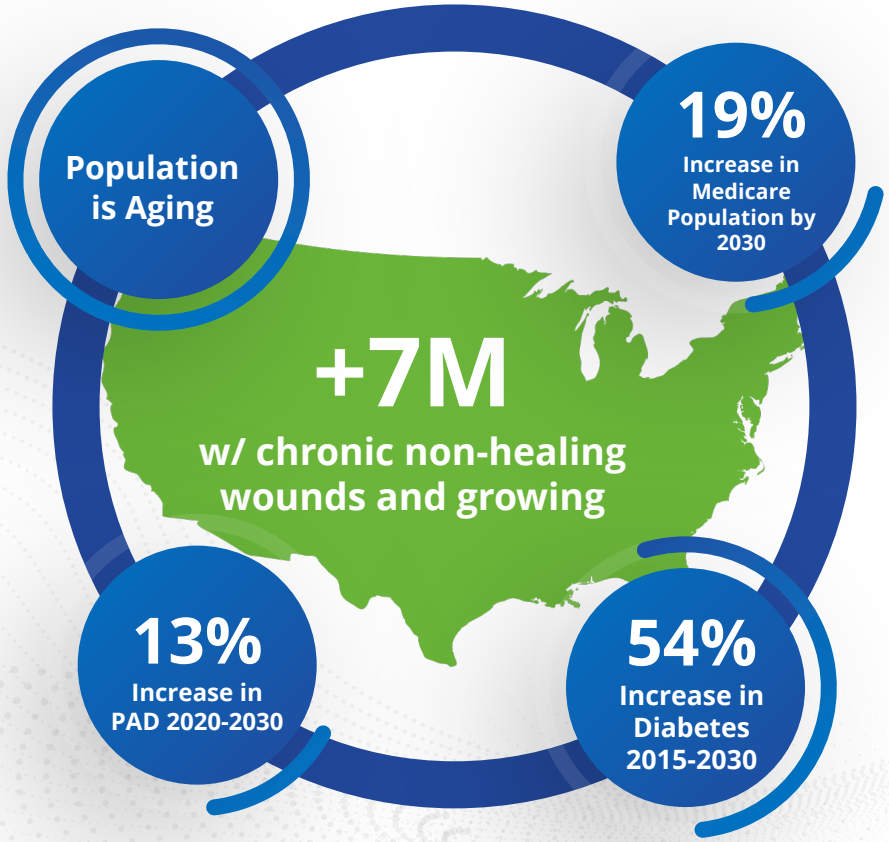
Show head-to-head clinical superiority of BioStem's products over competitors

Demonstrate clinical efficacy and market support for BioREtain

Chronic Wound Healing Market Trends & Emerging Growth Opportunities

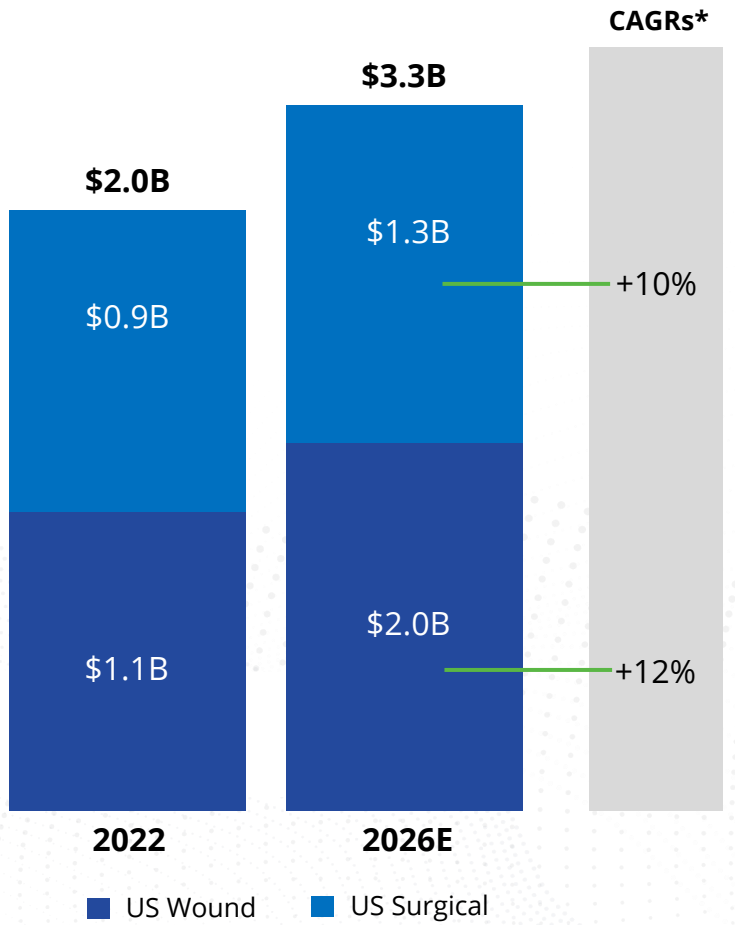
STEADY U.S. GROWTH OPPORTUNITY

BioStem is Addressing a Large Chronic Wound Market



Wound Types	% of Market
Pressure Ulcers	43%
Diabetic Foot Ulcers	31%
Venous Stasis Ulcers	12%
Surgical Wound/Trauma	8%
Arterial Ulcers	6%

Chronic Wound Market



Chronic wound size – 2-2.5% of the U.S. population. https://pubmed.ncbi.nlm.nih.gov/37756368/#:~:text=Chronic%20wounds%20impact%20the%20quality,population%20of%20the%20United%20States.

Diabetes source: Projection of diabetes morbidity and mortality till 2045 in Indonesia based on risk factors and NCD prevention and control programs | Scientific Reports (nature.com)

PAD 2020-2030: The Current U.S. Prevalence of PAD | Vascular Disease Management (hmpgloballearningnetwork.com)

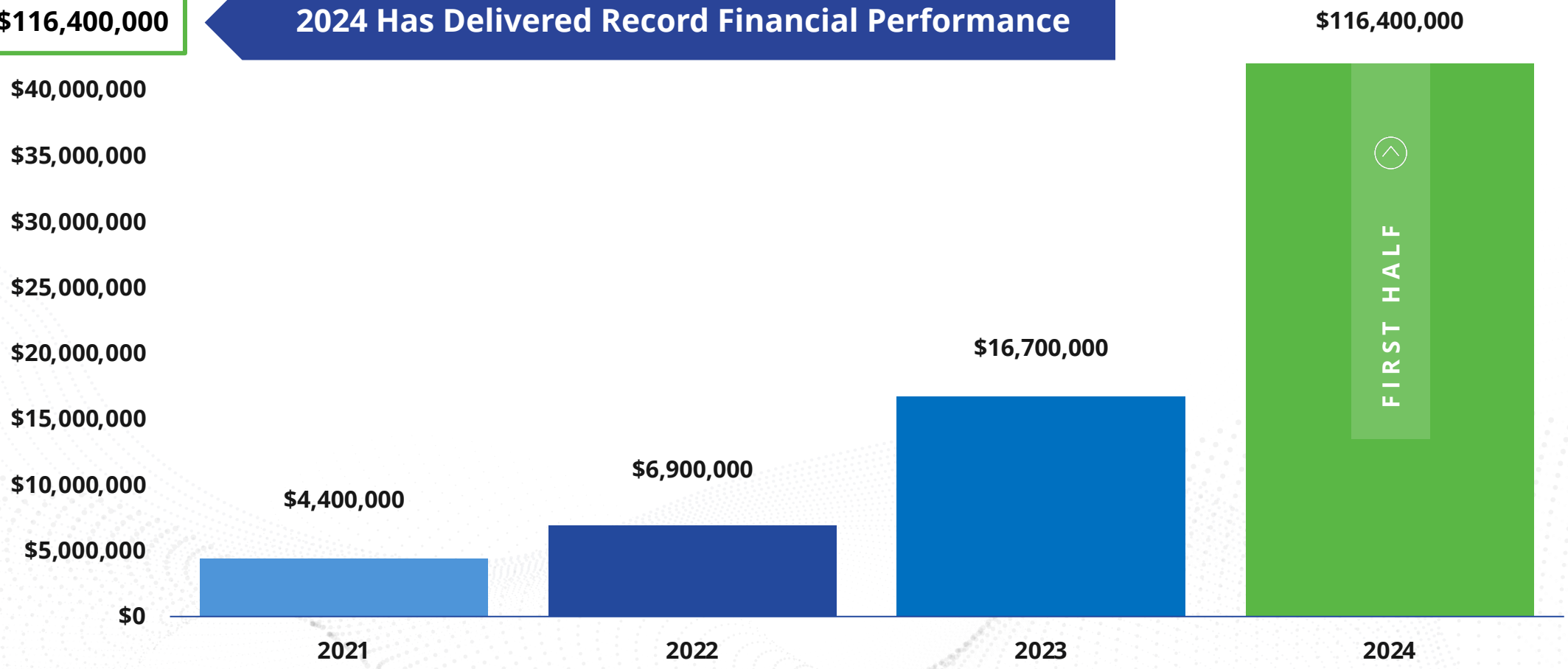
Financial Performance & Strategic Growth Initiatives

TRANSFORMATIVE YEAR

Strong Revenue Growth Trend

$116,400,000

2024 Has Delivered Record Financial Performance



2024 FINANCIAL HIGHLIGHTS

Record Quarterly and First-Half Results

FIRST HALF 2024
$116.4M
REVENUE

FIRST HALF 2024
$6.3M
NET INCOME

	Q1 2024	Q2 2024	First Half 2024
Revenue	$41.9M	$74.5M	$116.4M
Rev. Growth (YoY)	▲ 7,174%	▲ 6,872%	▲ 6,978%
Gross Profit	95%	95%	95%
Net Income	$4.4M	$6.3M	$9.6M

- **Record Q2 revenue of $74.5M**
- **Transformative 1H revenue of $116.4M**
- **AmnioWrap2 continues to be the growth driver**
- **2nd consecutive quarter of positive net income with $6.3 million**
- **Adjusted Q2 2024 EBITDA of $10.0 million**
- **Cash Position: $6.5M**

ADVANCING THROUGH CORE GROWTH INITIATIVES

Strategic Initiatives in Place for Sustained Revenue Growth

Growth Through Market Expansion

- ✓ Expecting to broaden reach into new markets in 2024.
- ✓ Focus on penetrating the following markets:
  - Private Office
  - Surgery Center
  - Hospital
  - Outpatient
  - VA

Strong Revenue Growth & Profitability

- ✓ Expecting strong sales value of AminoWrap2 along with market expansion from current product mix.
- ✓ Expecting strong gross margins through enhanced operational efficiencies and the high-margin profile of products.

Strengthen Reimbursement

- ✓ Broadening path for value- based reimbursement for products.
- ✓ Focus on private healthcare coverage initiatives underway.

Strategic Acquisitions

- ✓ **Focusing on pursuing companies with:**
  - Synergistic patents
  - Hydro-biofilms
  - Collagen-based items
  - Cord tissue products
  - Non-core wound care solutions

NASDAQ APPLICATION SUBMITTED

Nasdaq Uplisting Process is Underway

- **Company Expects to Meet Nasdaq Requirements Across Corporate, Shareholder, and Financial Management**
- **Appointments Independent Directors to Board**
- **Successful Completion of Comprehensive Audits**
- **Form 10 Registration Expected to be Filed With The SEC**
- **Nasdaq Application Submitted by Q4 2024**

ABOUT US

Management Team

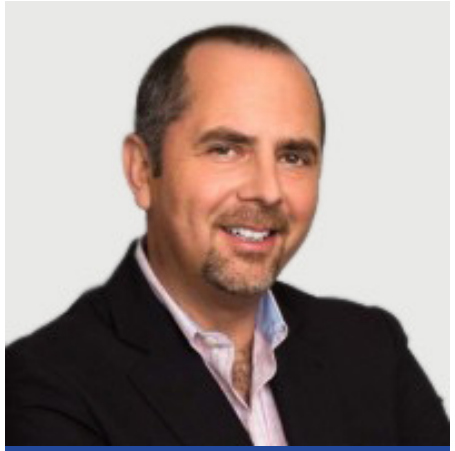
Jason Matuszewski, LSSBB

Chief Executive Officer

HUSCO INTERNATIONAL · Nemak Innovative Lightweighting · ATI · SCJohnson

Andrew VanVurst, CTBS

Chief Operating Officer



Michael Fortunato, CPA

Chief Financial Officer

facebook · Upwork · U.S. Securities and Exchange Commission

Sean McCarrey

Chief Commercial Officer

axogen · BLUEWAVE™

Wendy Weston, PhD, CTBS

Vice President of R&D

VIVEX BIOLOGICS · U MIAMI

ABOUT US

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Chairman of the Board

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amniox MEDICAL
SURGIQUEST
Smith+Nephew

Jason Matuszewski, LSSBB

HUSCO INTERNATIONAL
Nemak Innovative Lightweighting
SCJohnson
ATI

Brandon Poe

MIDI HEALTH
genome MEDICAL
illumina

Andrew VanVurst, CTBS

Kenneth Warrington, Ph.D.

meridian BIOSCIENCE
GenScript PROBIO
Lacerta therapeutics

Patrick Daly

IQVIA
COHERA MEDICAL, INC.
Johnson & Johnson

CONCLUSION

Well-Positioned to Capitalize on Opportunities Within the Wound Care Market

Superior Products Leading the Wound Care Industry

Focused on Reporting Clinically Significant Data Over Competitors

Working Towards Expanding Payor Coverage

Committed to Revenue Growth and Profitability

We Manufacture Products That Change Lives™

LISTED: BSEM

Thank You.

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