



BioSig Technologies, Inc.

CORPORATE SUMMARY

February 2024



BioSig Technologies, Inc. (NASDAQ: BSGM) is a medical technology company focused on deciphering the body's electrical signals, starting with heart rhythms. By leveraging a first-of-its-kind combination of hardware and software, BioSig delivers unprecedented cardiac signal clarity, ending the reliance on *mixed signals* and *reading between the lines*. The Company operates within the rapidly growing electrophysiology (EP) marketplace—a market projected to reach \$16B by 2028 with an 11.2% growth rate.*

BioSig's first product, the PURE EP™ Platform, is an FDA 510(k) cleared non-invasive class II device, that removes the unnecessary distractions, noise, and signal interruptions inherent in traditional approaches to capturing cardiac signals—preserving access to the full-spectrum of raw signal data and delivering clear actionable insights that can be explored for highly-tailored, efficient procedures in the treatment of arrhythmias.

The PURE EP™ Platform is already an integral part of many well-respected healthcare systems, including Mayo Clinic, Texas Cardiac Arrhythmia Institute, Cleveland Clinic, and Kansas City Heart Rhythm Institute.

BioSig Technologies, Inc.

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KEY GROWTH DRIVERS

Advanced Technology

- While the field of cardiology has advanced in innumerable ways, platforms for capturing cardiac signaling have not kept pace. BioSig is solving the critical unmet need for delivering better cardiac signaling information that can potentially help improve success rates of ablation procedures, which are fast becoming first-line procedures to treat arrhythmias.
- The PURE EP™ Platform combines noise-dampening physical hardware with one-of-a-kind algorithms and customizable software features to eliminate distortion and provide vital data analysis and pure cardiac signals that allow for enhanced evaluation and confidence in the treatment of arrhythmias.

Market Opportunity

- The global electrophysiology market is expected to exceed US \$16B by 2028 and is growing at a compound annual growth rate (CAGR) of 11.2%.

KOL Support

- The PURE EP™ Platform is in use by many of the nation's leading medical centers and physicians, including Dr. Andrea Natale and Dr. G. Joseph Gallinghouse of Texas Cardiac Arrhythmia Institute; Dr. Dhanunjaya "DJ" Lakkireddy of Kansas City Heart Rhythm Institute, and Oussama Wazni, MD of Cleveland Clinic.
- The Company achieved proof of concept validation through UCLA and has performed numerous preclinical and clinical studies at leading Medical Centers of Excellence. In 2017, the Company inked a 10-year strategic collaboration with Mayo Clinic. More recently, the Company signed a Master Research Agreement with Cleveland Clinic to explore expanded applications for the PURE EP™ Platform.

MARKET SNAPSHOT

NASDAQ: BSGM

Price (02/07/24)	\$0.76
Average Volume (50 day)	0.11M
52-Week Range	\$0.72 – \$16.50
Float	7.7M
Shares Outstanding	9.33M
Market Cap	\$7.104M

Collaboration With Leading Medical Centers



RECENT HIGHLIGHTS

- Implemented new cost-cutting efforts to reduce cash burn by ~50%
- Shifted business strategy to focus on distribution partnerships for the PURE EP™ Platform
- Appointed Global MedTech Leader Fred Hrkac as New EVP
- Announced new PURE EP™ subscription model adopted by Mayo Clinic Phoenix
- Launched new, innovative PURE EP™ software features to improve procedure automation
- 100+ allowed/issued design and utility patents
- Announced new tiered subscription model along with new features that provide expanded reimbursement options
- Cleveland Clinic signed agreement as first subscription-based customer
- Research at HRS 2023 showed that PURE EP™ helped EPs distinguish healthy and scarred tissue, reducing procedure time
- Announced creation of BioSig AI Sciences, a new subsidiary developing AI solutions for the hospital marketplace
- Signed Purchase Agreement with San Antonio Methodist Hospital
- Signed Purchase Agreement with Kansas City Rhythm Institute at Overland Park Medical Center
- Signed Master Agreement with Hospital Corporation of America (HCA)
- PURE EP™ highlighted in a peer-reviewed case report (JAFIB- EP)
- Selected Plexus Corp. as its manufacturing partner

THE PURE EP™ PLATFORM

A unique combination of proprietary hardware and software, The PURE EP™ Platform removes unnecessary distractions to preserve the value of cardiac signals and delivers clear, actionable insights for today's electrophysiologist. PURE EP™ is demonstrating impact on hospital profitability through innovative feature designs not found in any other platform.

- ✓ Reduce EP lab noise and artifacts
- ✓ Deliver clean, superior intracardiac signal visualization
- ✓ Offer customizable, advanced software modularity
- ✓ Enhance clinical workflow and increase throughput
- ✓ Empower physicians with actionable insights



The company's subscription model supports operational expenditure goals by optimizing case-by-case and day-to-day department expenses, removing the burden of ownership and maintenance. With a comprehensive suite of tools and software upgrades, the PURE EP™ Platform can deliver the latest developments in electrophysiology to physicians as they emerge, with the flexibility to add enhancements as desired.

A GROWING GLOBAL MARKET

The Cardiac Arrhythmia Epidemic:

14.4M Americans suffer from cardiac arrhythmias.

Two of the most prevalent, complex and potentially deadly types of arrhythmias today are Atrial Fibrillation (AF) and Ventricular Tachycardia (VT).

- AF is the most common arrhythmia affecting 33.5 million people worldwide, with as many as 6.1 million people in the US now and expected 8-12 million by 2050. AF increases the risk of stroke 4x to 5x and contributes to ~750,000 hospitalizations per year. The direct cost of AF is approximately \$6B annually; adding other indirect costs brings AF total cost to \$26B.
- Ventricular arrhythmias account for approximately 300,000 sudden deaths per year in the US alone.

Catheter ablation is fast becoming a first-line therapy, driving demand for improved technologies.

- Global Ablation Procedure Growth: 8.4% growth rate, from 973,220 in 2017 to 1.45 projected million in 2022.
- Complex Ablation Procedures: 440,629 in 2017 to 830,390 in 2022; 13.5% projected growth rate.
- Estimated 3,425 EP labs in US.
- Estimated 3,915 EP labs OUS.

INVESTMENT HIGHLIGHTS

-  Proven management team and independent Board of Directors
-  Substantial and growing market
-  Strong clinical data supports commercialization
-  Technology solves a critical unmet need, saves procedural time, and improves workflow efficiency
-  Flexible pricing model supports recurring revenue and continuous innovation
-  First customers are industry leaders
-  IP Strategy led by Sherpa Technology and Sterne Kessler Goldstein & Fox—100+ allowed/issued/pending patents
-  National purchasing agreement with HCA, Inc. 10-year strategic collaboration with Mayo Clinic

PROVEN TEAM

BioSig is led by a proven management team with significant inside ownership. BioSig has brought together leading physicians, executives and engineering experts from leading medical centers of excellence, healthcare programs, Fortune 500 Companies and elite educational institutions for its Advisory Board, including Mayo Clinic, Mount Sinai Medical Center, UCLA, Johnson & Johnson, Nasdaq and Prudential Securities.

MANAGEMENT AND PAST EXPERIENCE

Kenneth L. Londoner, MBA

Founder, Chairman, Chief Executive Officer, Director
Endicott Management Partners; J & W Seligman & Co., Visiting Professor, Columbia University

Steve Buhaly

Chief Financial Officer
Qorvo; Longview Fibre; Planar Systems

Frederick D. Hrkac

Executive Vice President, Director
30+ years of industry experience including Europe, Middle East & Africa President of Boston Scientific; Executive: Johnson & Johnson, Biosense Webster

Andrew Ballou

Vice President, Investor Relations
Janney Montgomery Scott LLC., RBC Capital Markets

Zachary Koch, CCDS, CEPS

Principle Advisor, Product Development
Abbott, St. Jude Medical

DIRECTORS

Frederick D. Hrkac

Director
30+ years of industry experience including Europe, Middle East & Africa President of Boston Scientific; Executive: Johnson & Johnson, Biosense Webster

Donald E. Foley

Director
Former CEO & Chair: Wilmington Trust; Sr VP, Treas & Dir: ITT Corp; Asst Treas: International Paper Co

David Weild IV, MBA

Director
Current Chairman & CEO; Weild & Co.; Former Vice Chairman: NASDAQ; Former Head of Corporate Finance & Equity Markets: Prudential Securities

James Klein

Director
Former President of Infrastructure and Defense Products: Qorvo; Former President: Qorvo Biotechnologies

James J. Barry

Director
Principal Owner; Convergent Biomedical Group LLC; former President and CEO; InspireMD, Inc.; former SVP of Corporate Technology at Boston Scientific

Patrick J. Gallagher, MBA

Director
Sr. MG: Laidlaw & Co (UK) Ltd.; Strategic Consultant: Athenex, Inc.; Director: Cingulate Therapeutics; Director, Evermore Global Advisors

ANALYST COVERAGE

Laidlaw & Co (UK) Ltd., Ascendant Capital Markets

BioSig Forward-Looking Statements: Statements contained in this release that are not historical facts may be deemed to be forward-looking statements. Investors are cautioned that forward-looking statements are inherently uncertain. Actual performance and results may differ materially from that projected or suggested herein due to certain risks and uncertainties including, without limitation, ability to obtain financing, regulatory approvals, competition and marketplace demand. More information, and BioSig risk factors, are set forth in its filings with the SEC. BioSig assumes no obligation to publicly update or revise its forward-looking statements. Data Sources: 2018 MD&D report, Worldwide Epidemiology of Atrial Fibrillation in the journal Circulation, 2013; CDC Fact Sheet on Atrial Fibrillation; American Heart Association; Ventricular Tachycardia in Medscape, December 2017; "Healthcare Costs Drop Sharply after Successful Ablation," Marlene Busko, Medscape, May 4, 2016, and Bioelectronic Medicine 2019-2029. IDTechEx Research. *As reported in the 09/30/21 form 10Q filed on November 15th, 2021.