SCHEDULE 14A Proxy Statement Pursuant to Section 14(a) of the Securities Exchange Act of 1934

Filed by th	e Registrant □
Filed by a	Party other than the Registrant ☑
Check the	appropriate box:
	Preliminary Proxy Statement Confidential, for Use of the Commission Only (as permitted by Rule 14a-6(e)(2)) Definitive Proxy Statement Definitive Additional Materials Soliciting Material Under Rule 14a-12

Enzo Biochem, Inc.

(Name of Registrant as Specified In Its Charter)

Harbert Discovery Fund, LP
Harbert Discovery Co-Investment Fund I, LP
Harbert Discovery Fund GP, LLC
Harbert Discovery Co-Investment Fund I GP, LLC
Harbert Fund Advisors, Inc.
Harbert Management Corporation
Jack Bryant
Kenan Lucas
Raymond Harbert
Fabian Blank
Peter J. Clemens, IV

(Name of Person(s) Filing Proxy Statement, if other than the Registrant)

Payment of	of Filing Fee	(check the appropriate box):				
$\overline{\checkmark}$	No fee required.					
	ed on table below per Exchange Act Rule 14a-6(i)(4) and 0-11.					
	1)	Title of each class of securities to which transaction applies:				
	2)	Aggregate number of securities to which transaction applies:				
	3)	Per unit price or other underlying value of transaction computed pursuant to Exchange Act Rule 0-11 (set forth the amount on which the filing fee is calculated and state how it was determined):				
	4)	Proposed maximum aggregate value of transaction:				
	5)	Total fee paid:				
	Fee paid pro	eviously with preliminary materials.				
	Check box if any part of the fee is offset as provided by Exchange Act Rule 0-11(a)(2) and identify the filing for offsetting fee was paid previously. Identify the previous filing by registration statement number, or the Form or S date of its filing.					
	1)	Amount Previously Paid:				
	2)	Form, Schedule or Registration Statement No.:				
	3)	Filing Party:				
	4)	Date Filed:				

On January 8, 2020, Harbert Discovery Fund, LP; Harbert Discovery Co-Investment Fund I, LP; Harbert Discovery Fund GP, LLC; Harbert Discovery Co-Investment Fund I, LP; Harbert Discovery Fund GP, LLC; Harbert Fund Advisors, Inc.; Harbert Management Corporation; Jack Bryant; Kenan Lucas; Raymond Harbert; Fabian Blank; and Peter J. Clemens, IV (collectively "<u>Harbert</u>") distributed a press release to shareholders (the "<u>Press Release</u>") informing them of the release of a detailed investor presentation on Enzo Biochem, Inc. (the "<u>Investor Presentation</u>"). A copy of the Press Release is attached herewith as <u>Exhibit 1</u>, and a copy of the Investor Presentation which was made publically available on Harbert's campaign website at https://cureenzo.com/wp-content/uploads/2020/01/Harbert-ENZ-Investor-Presentation-1-7-20.pdf is attached herewith as <u>Exhibit 2</u>.



Harbert Discovery Fund Releases Detailed Investor Presentation Highlighting Case for Change at Enzo Biochem

Puts Spotlight on Decades of Enzo's False Promises and Underperformance While its Board and Management Continue to Receive Excessive Compensation at Shareholders' Expense

Outlines Plan Addressing Immediate, Near and Long-Term Action Items to Create Shareholder Value

HDF Believes its Two Independent Nominees – Fabian Blank and Peter Clemens – Are the Right Fit for the Board and Encourages Fellow Enzo Shareholders to Vote "FOR" Their Election on the <u>**BLUE**</u> Proxy Card Today

Full Presentation Available at https://cureenzo.com/

Birmingham, AL, January 8, 2020 – Harbert Discovery Fund, LP and Harbert Discovery Co-Investment Fund I, LP (collectively "HDF"), the beneficial owner of more than 11.8% of the outstanding shares of Enzo Biochem, Inc. (NYSE: ENZ) ("Enzo" or the "Company"), today released a detailed investor presentation on Enzo. The presentation outlines the Company's history of value destruction, persistent underperformance, and corporate governance issues and details HDF's Nominees' strategic plan to realize value at Enzo.

The complete investor presentation is available at https://cureenzo.com/.

In the presentation, HDF explains why change is needed at the Company, including:

- Enzo's history of value destruction which has been enhanced by a pattern of overpromising and underdelivering, resulting in total shareholder returns of -49% over a 10-year period.
- Enzo's worst-in-class corporate governance and executive compensation which have continued
 to disillusion shareholders. Enzo has reported operating losses every year since 2004, yet the Board
 has approved paying Chairman / CEO Elazar Rabbani and his brother-in-law Barry Weiner over \$34
 million cumulatively since 2004, including a significant cash bonus every year.
- The opportunity to unlock potential value at Enzo through a series of strategic decisions, including
 adding two new independent directors to the Board and executing HDF's initiatives to create
 shareholder value. Highlights of the comprehensive plan by HDF's Nominees include:
 - Address Excess Compensation and Cost Structures: Reassess management compensation, bloated cost structures and planning and budgeting processes to ensure capital is being used in the most efficient manner.
 - Deliver on Potential Partnership Opportunities: Apply a growth mindset to Enzo's product portfolio to determine where partnerships can help return the Company to growth.
 - Revitalize Corporate Strategy: Refocus on Enzo's inherent strengths of its lab's location in
 a high-density population market and strong customer relationships to position the Company
 for success
 - Deliver Profitable Growth and Excess Cash to Shareholders: Realize that through systematically targeting the cost structure, incentive plan, and growth opportunities Enzo can achieve profitable growth, driving substantial long-term value for all shareholders.



VOTE ON THE BLUE PROXY CARD TO CURE ENZO TODAY

Important Information about Participants in a Proxy Solicitation:

Harbert Discovery Fund, LP ("Harbert Discovery"), Harbert Discovery Fund GP, LLC ("Harbert Discovery GP"), Harbert Discovery Co-Investment Fund I, LP ("Harbert Discovery Co-Investment" and together with Harbert Discovery, the "Discovery Funds"), Harbert Discovery Co-Investment Fund I GP, LLC ("Harbert Discovery Co-Investment GP"), Harbert Fund Advisors, Inc. ("HFA"), Harbert Management Corporation ("HMC"), Jack Bryant ("Mr. Bryant"), Raymond Harbert ("Mr. Harbert") and Kenan Lucas ("Mr. Lucas" and together with Harbert Discovery, Harbert Discovery GP, Harbert Discovery Co-Investment, Harbert Discovery Co-Investment GP, HFA, HMC and Messrs. Bryant and Harbert, the "Harbert Discovery Parties") (collectively, the "Participants") have filed with the Securities and Exchange Commission (the "SEC") a definitive proxy statement and accompanying form of proxy to be used in connection with the solicitation of proxies from the shareholders of Enzo Biochem, Inc. (the "Company") in connection with the annual meeting of shareholders of the Company (the "Annual Meeting"). All shareholders of the Company are advised to read the definitive proxy statement and other documents related to the solicitation of proxies by the Participants in respect of the Annual Meeting, as they contain important information, including additional information related to the Participants, their nominees for election to the board of directors of the Company and the Annual Meeting. The definitive proxy statement and an $\ensuremath{\mathsf{A}}$ accompanying proxy card will be furnished to some or all of the Company's shareholders and are, along with other relevant documents, available at no charge on the SEC website at http://www.sec.gov/ and are available upon request from the Participants' proxy solicitor, Okapi Partners, by calling (888) 758-6707 (banks and brokers call collect (212) 297-0720).

Additional information about the Participants can be found on the Definitive Proxy Statement filed by the Participants on December 6. 2019.

About Harbert Discovery Fund (HDF)

HDF invests in a concentrated portfolio of publicly traded small capitalization companies in the US and Canada. We perform significant due diligence on each portfolio company prior to investing. In addition to researching all publicly available information and meeting with management, our diligence includes substantial primary research with industry experts, consultants, bankers, customers and competitors. We often spend months or years researching ideas before making an investment decision and we only invest in companies that we believe are significantly undervalued, and where there is the potential for change to enhance or accelerate value creation. In an effort to unlock this potential value, we seek to work directly with the boards and management teams of our portfolio companies privately and collaboratively, engaging with them on a range of factors including governance, board composition, corporate strategy, capital allocation, strategic alternatives and operations. We have effected positive, fundamental changes at our current and past investments through this behind-the-scenes, constructive approach. HDF currently has board representation at three of our portfolio companies. In each case, changes to the board were agreed upon privately and it is our strong preference in every investment to avoid the unnecessary distractions and costs of a public proxy campaign.

About Harbert Management Corporation (HMC)

HMC is an alternative asset management firm with approximately \$6.7 billion in regulatory assets under management as of December 1, 2019. HMC currently sponsors nine distinct investment strategies with dedicated investment teams. Additional information about HMC can be found at www.harbert.net.

Investor Contact

Okapi Partners LLC Bruce Goldfarb / Chuck Garske / Jason Alexander, 212-297-0720 info@okapipartners.com

Media Contact

Sloane & Company



Dan Zacchei / Sarah Braunstein, 212-486-9500 dzacchei@sloanepr.com/sbraunstein@sloanepr.com





Enzo Biochem: The Case for Change

Important Information

This presentation, the materials contained herein, and the views expressed herein (this "Presentation") are for discussion and general informational purposes only. This Presentation does not have regard to the specific investment objective, financial situation, suitability, or the particular need of any specific person who may receive this presentation, and should not be taken as advice on the ments of any investment decision. In addition, this Presentation should not be deemed or construed to constitute an offer to sell or a solicitation of any offer to buy any security described herein in any jurisdiction to any person, nor should it be deemed as investment advice or a recommendation to purches or or all any specific security. Norshould the Presentation considered to be an offer to sell or the solicitation of any first or buy any interests in any fund managed by Harbert Management Corporation or any of its affiliates ("Harbert"). Such an offer to sell or solicitation of an offer to buy any interest arms yonly be made pursuant to definitive subscription decuments.

The views expressed herein represent the current opinions as of the date hereof of Harbert and are based on publicly available information regarding Enzo Blochem, Inc. ("Enzo" or the "Company"). Certain financial information and data used herein have been derived or obtained from, without independent verification, public flings, including flings made by Enzo with the Securities and Exchange Commission ("SEC") and other sources. Harbert familian bet presponsible for or have any liability for any mininformation contained in any SEC or designation filling, any thing party report, or this Presentation. All amounts, market value information, and satimates included in this Presentation have been obtained from outside sources that Harbert believes to be realistic or represent the best judgment of Harbert as of the date of this representation is any expension of the presentation of the presentation of the other of the presentation of the other of the other of the presentation of the other other

In addition, the information contained herein reflects projections, market outlooks, assumptions, opinions and estimates made by Harbert as of the date hereof that may constitute forward-looking statements. Such forward-looking statements are based on certain assumptions and involve certain risks and uncertainties, including risks and changes affecting industries generally and the Company specifically and are subject to change without notice at any time. Given the inherent uncertainty of projections and other forward-looking statements, you should be aware that actual results may differ materially from the projections and other forward-looking statements cortained herein due to reasons that may or may not be foreseeable.

Therefore, Harbert does not agreesert that any opinion or projection will be realized, and Harbert offers no assurances as to the price of Company securities in the future. While the information presented herein is believed to be reliable, no representation or warranty is made concerning the accuracy of any data presented, the information or views contained herein, not concerning any forward-bolking addements. Harbert has an account interest in the price forcement of the securities exceeds the price of the price force and the price forcement of the securities of the price force and the price forcement of the securities of the price force and the price force

Harbert Discovery Fund, LP, Harbert Discovery Co-investment Fund I, LP, Harbert Discovery Fund SP, LLC, Harbert Discovery Co-investment Fund I GP, LLC, Harbert Fund Advisors, Inc., Harbert Management Corporation, Jack Bryant, Kennan Lucas, Raymond Harbert, Fabian Blank; and Peter J. Clemens, IV (collective), the "Participants") have filed with the Securities and Exchange Commission a definitive proxy statement and accompanying form of grown to be used in connection with the scilicitation of proxises from shareholders for Exc Biotechem, Inc. All shareholders of the Company are advised to read the definitive proxy statement and other documents related to the solicitation of proxise by the Participants, as they contain important information, including additional information related to the Participants. The definitive proxy statement and one companying grown card is being furnished to some or all of the Company's shareholders and is, along with other relevant documents, available at no charge on the SEC website at http://www.ssc.gov/ or from the Participants' proxy solictor, Okapi Partners LC.

Information about the Participants and a description of their direct or indirect interests by security holdings is contained in the definitive proxy statement on Schedule 14A filled by Harbert with the SEC on December 6, 2019. This document is available free of charge from the sources indicated above.



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- II. Enzo: The Case for Change
 - Sustained History of Value Destruction
 - History of Overpromising and Underdelivering
 - Failed Corporate Governance
 - Excessive Compensation for Underperformance
- III. HDF's Independent Nominees
- IV. Enzo: The Opportunity

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Enzo Biochem



· Ticker: ENZ (NYSE)

Market Cap: \$133.6 million

· Founding Year: 1976

· Headquarters: Farmingdale, NY

· Founders:

• Elazar Rabbani

· Barry Weiner

· Shahram Rabbani

Enzo runs clinical labs in the Northeast region, develops platforms and reagents for use in its own labs and for resale, and operates a therapeutics division

Enzo's Wholly-Owned Subsidiaries:

1. Enzo Clinical Laboratory Services (62% of revenue)

- Segment includes a full-service clinical laboratory in Farmingdale, NY, over 30 patient service centers throughout New York and New Jersey, and a stand-alone rapid response laboratory in NYC.
- Routine / esoteric testing splits 60 / 40.

2. Enzo Life Sciences (38% of revenue)

- Develops, manufactures, and markets diagnostic products and tools for use in their labs as well as for sale to other labs.
- The products are sold through a direct sales effort and a global network of distributors and axxora.com, Enzo's online marketplace.
- Enzo has several platforms in development that are expected to reduce the cost of running diagnostic tests for its own clinical labs as well as for sale to other labs.

3. Enzo Therapeutics (0% of revenue)

 Development venture targeting treatments for bone related diseases, immune related diseases, and gastrointestinal diseases.

Detect Desifolis

- Owns or licenses nearly 406 patents with more than 75 pending.
- History of successful litigation.



Source: Bloomberg, company filing

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Harbert Discovery Fund and Harbert Management Corporation



Harbert Discovery Fund ("HDF")

HDF currently owns approximately 11.8% of the outstanding shares of Enzo, making it the Company's largest shareholder

- · HDF invests in a concentrated portfolio of publicly traded small capitalization companies in the US and Canada.
- We perform significant due diligence on each portfolio company prior to investing and often spend months or years researching ideas before making an investment decision.
- We seek to work directly with the boards and management teams of our portfolio companies privately and collaboratively.
- HDF currently has board representation at three of our portfolio companies in each case, changes to the board were
 agreed upon privately and it is our strong preference in every investment to avoid the unnecessary distractions and
 costs of a public proxy campaign.
- · Additional information about the campaign can be found at www.cureenzo.com

Harbert Management Corporation ("HMC")

HMC is an investment management firm focusing on alternative assets

- · Founded in 1993 by Raymond J. Harbert.
- · HMC has approximately \$6.7 billion in regulatory assets under management as of December 1, 2019.
- · HMC currently sponsors nine distinct investment strategies with dedicated investment teams
- · Additional information about HMC can be found at www.harbert.net.



Executive Summary



Enzo has overpromised and underperformed for decades

- The Company has underperformed the Russell 2000 by nearly 1,250% over the last 30 years with a pattern
 of value destruction across nearly every relevant time period (1, 3, 5, 10, 30-year) and index / peer group
 (2019 proxy peers, Russell 2000 Index, etc.).
- Management and the Board have repeatedly hyped various platforms and technologies only to then fail to
 deliver the promised results time and time again.
- The current debacle with AmpiProbe is only the latest example Enzo has been talking up the product for seven years and it still has not generated any material revenue.



shareholders

- For decades, Enzo has been run for the benefit of an entrenched management team at the expense of common shareholders – while the Board has sat back and done nothing.
- The Company's corporate governance policies read like they are from another era highlighted by the Chairman / CEO's 44-year tenure and his brother-in-law, who until recently was the CFO, on the Board with a 43-year tenure.
- Enzo has reported operating losses every year since 2004, yet, the CEO / Chairman and former CFO have been paid over \$34 million during the same period – before even factoring in related party transaction payments.



Change is clearly needed to unlock the opportunity at Enzo – which is why HDF is seeking to add two new truly independent directors to the Board

- In spite of poor oversight and mismanagement, Enzo holds a collection of businesses and assets with significant value that can be unlocked through better Board oversight and:
 - A new corporate strategy that acknowledges Enzo's strengths and weaknesses as well as the broader market realities;
 - · A sale of non-core assets; and
 - Once Enzo is generating cash, return of excess cash to shareholders.
- HDF's highty-qualified director candidates Fabian Blank and Peter Clemens will truly represent and act in the best interests of all shareholders.
- The status quo is not what Enzo needs, and without fresh and TRULY independent new voices on the Board, management will continue to benefit as shareholders continue to suffer.

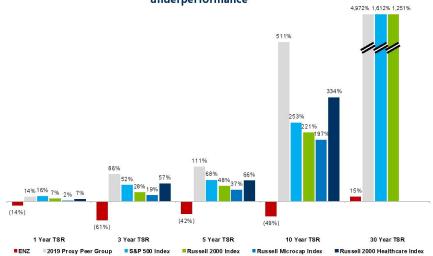


Source: Bloomberg, company filing

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Performance Against Peers Highlights Value Destruction

Common shareholders have suffered decades of stock price and financial underperformance



∳ HMC Note: White data as of November 30, 2019 Proxy peer group returns are calculated as an equal weighted index which ascribes the same weight or importance to each index constituent regardless of stock price or market capitalizations.

Biomolecular Biomolecular as of November 30, 2019 Proxy peer group returns are calculated as an equal weighted index which ascribes the same weight or importance to each index constituent regardless of stock price or market capitalizations.

Compensation Decoupled from Performance

Enzo's Compensation
Committee sets
compensation levels
based on much larger
peer companies, failing
to account for Enzo's
smaller size

Normalizing for these metrics highlights excessive compensation





The Company's compensation structure is <u>excessive</u>, <u>misaligned</u> and <u>unjustifiable</u> – resulting in consistent value destruction for shareholders



ource: Bloomberg, company filings

Fresh Perspectives in the Boardroom are Urgently Needed

Directors HDF is Seeking to Remove



Barry W. Weiner, Age 69

Director Tenure: 10-Year Annual TSR:
10-Year Cumulative TSR:
10-Year Total Compensation:

Bruce A. Hanna, Ph.D., Age 76

Director Tenure:
Annual TSR over tenure:
Cumulative TSR over tenure:

Compensation over tenure:

43 years -6% -49% \$11 million

3 years -29% -63%





Fabian Blank, Age 45

Independent Directors HDF is Seeking to Add

Executive Experience:





Peter J. Clemens, IV, Age 54

Executive Experience: Board Experience: Caremark Rx CVS Caremark Surgical Care Affiliates

Private Healthcare Companies - Vituro Health and DSI Renal Inc.

Our independent nominees have extensive strategic, operational and governance experience and have created value in various roles across the healthcare sector. They will bring the fresh perspectives and modern skillsets that are sorely needed to drive success at Enzo

Conversely, Enzo's nominees have overseen decades of value destruction and possess narrow experience that has not benefitted shareholders



Our Independent Nominees Intend to:





Enzo: The Case for Change

WHY CHANGE IS NEEDED		THE FACTS		
1.	Sustained History of Value Destruction	 Common shareholders have suffered years of stock price and financial underperformance – excluding legal settlements, the Company has not produced one dollar of operating profits since 2004. 		
		 Poor performance against relevant indices and peers over the past 1, 3, 5, 10, and 30-year time periods highlights the magnitude of management and the Board's value destruction. 		
	History of Overpromising and Underdelivering	Enzo's history is filled with broken promises and missed expectations.		
		 Products that Enzo has promised will deliver value have failed year after year to produce any material revenue. 		
III.	Failed Corporate Governance	 Enzo is a disaster from a corporate governance perspective with a complex web of related parties and self-dealings. 		
		 Despite being the subject of two prior proxy fights – including one where the dissident was the Chairman's own brother – Enzo has failed to make any substantial governance improvements 		
IV.	Excessive Compensation for Underperformance	 Enzo executives continue to see their compensation grow year after year, even as the Company generates consistent losses. 		
		 Enzo's leadership is being rewarded for overseeing an unprofitable and value destructive business. 		



Enzo: The Case for Change

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Poor Stock Price Performance

Enzo's management team and Board have consistently destroyed shareholder value. Excluding legal settlements, the company has not produced one dollar of operating profits since 2004. Over the last ten years, the stock price is down -49% with -6.5% annualized returns



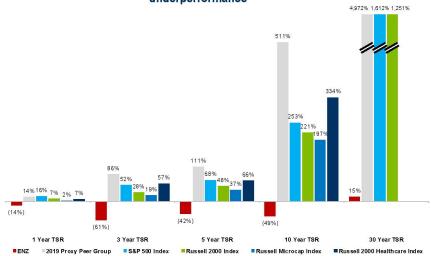


(1) PAMA or the Protecting Access to Medicare Act of 2014 resulted in revised rates for the Medicare Clinical Laboratory Fee Schedule for 2018, 2019, and 2020.

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Performance Against Peers Highlights Value Destruction

Common shareholders have suffered decades of stock price and financial underperformance



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019 Proxy Peer Group: AFRY, FLDM, HBIO, NVTA, LMNX, VN′O, MACK, MNTA, NSTG, NTRA, NEO, OSUR, OXFD, PCAB, DQEL, RGEN, SPF

Missteps Translating into Loss of Value

Enzo has drastically underperformed over any time period and any relevant peer group / index





Note: Market data as of November 30, 2019. Proxy peer group returns are Gakulated as an equal weighted index which as cibes the same weight or importance to each index constituent regardless of stock price or market capitalizati Sources Bloomberg

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Poor Capital Allocation

The long-term underperformance is a result of weak governance, misaligned incentives, poor capital allocation and a misguided operational strategy. Enzo has spent nearly \$275 million on capital investments, R&D, legal expenses and M&A since 2004 which is over two times the current market capitalization.

Management appears to be intentionally oblivious of the results of its poor investment decisions. As Barry Weiner claims, "At Enzo, we have learned to use our capital wisely and I venture to say that our company is perhaps among the most efficient users of capital in the healthcare field" (Q3 2018 Earnings Call, June 12, 2018).

Fiscal Year	Capital Investments	R&D	Legal Expenses	M&A	Total
2004	1,304	8,078	6,340	-	
2005	1,276	8,452	5,476		
2006	4,22	7,896	7,388	-	
2007	1,448	9,393	10,295	16,888	
2008	3,23	8,637	5,588	16,144	
2009	2,709	9,220	4,195	14,541	
2010	3,251	9,704	5,444	-	
2011	1,223	7,806	3,710		
2012	1,364	6,293	3,724		
2013	988	3,889	5,813	-	
2014	838	3,141	6,954		
2015	1,783	3,350	8,788	8	
2016	1,530	3,524	6,384	-	
2017	1,753	2,928	1,679		
2018	1,888	3,210	5,127		
2019	8,126	3,175	3,000		
Total	\$ 36,939	\$ 98,696	\$ 89,905	\$ 47,573	\$
urrent Market Cap					\$



Abysmal Returns on Capital

Enzo's capital allocation strategy has delivered extremely poor returns on capital, assets and equity which has led to massive shareholder value destruction.

Management appears to be intentionally oblivious of the results of their poor investment decisions. As Barry Weiner claims, "I think over the years Enzo has been probably one of the most efficient users of capital within the industry." (Q1 2019 Earnings Call, December 11, 2018).

rn on Invested Capital	Return on Equity	Return on Assets	Fiscal Year
_	(5.8%)	(5.5%)	2004
(5.4%	2.8%	2.6%	2005
_	(15.4%)	(14.4%)	2006
_	(11.2%)	(10.2%)	2007
_	(7.6%)	(6.8%)	2008
(13.9%	(18.5%)	(16.4%)	2009
15.7%	(20.8%)	(17.9%)	2010
(8.9%	(14.0%)	(11.5%)	2011
(46.9%	(57.0%)	(44.0%)	2012
(29.6%	(43.8%)	(28.5%)	2013
(17.1%	(28.1%)	(16.2%)	2014
1.6%	(5.7%)	(3.4%)	2015
67.3%	68.5%	50.3%	2016
(0.2%	(2.8%)	(2.3%)	2017
(12.4%	(12.1%)	(9.9%)	2018
2.1%	3.0%	2.4%	2019
(4.0%	(10.5%)	(8.2%)	Average



Enzo: The Case for Change

WHY CHANGE IS NEEDED		THE FACTS		
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D./	Excessive Compensation for Underperformance	 Enzo executives continue to see their compensation grow year after year, even as the Company generates consistent losses. 		
IV.		 Enzo's leadership is being rewarded for overseeing an unprofitable and value destructive business. 		



AmpiProbe: The Promises

The Board has overseen a pattern of hyping technologies in development, only to fail to deliver the promised

<u>results</u>

2012 Introduction to AmpiProbe and its significant potential:

"In addition, we have made substantive progress on the first assay based on AmpiProbe, our internally-designed proprietary technology which can enable one to perform realtime PCR type amplification, or DNA amplification and detection, in a better, faster and more economical way." – Barry Weiner

[In reference to AmpiProbe] "We hope to see the first of these tests available for marketing sometime after the first of the calendar year." – Barry Weiner

"We have a very aggressive program in the AmpiProbe area because we think we have a system which holds extremely high value for the industry on many different levels. We will be investing more capital behind it as we build our capital capabilities." – Barry Weiner

[In reference to AmpiProbe] "So I think we're in a fairly good shape to hopefully see a comprehensive product sometime by year-end or soon thereafter. And what I mean by a comprehensive product is a panel that can potentially generate revenue growth for us as a Company of some size." – Barry Weiner

Q3 2016 Earnings Call

"But with AmpiProbe... what's the status of a national launch?" – Kevin Kim Ellich, Craig-Hallum Capital Group LLC
"...We have done a fair amount of pre-marketing work in this area. We are awaiting the final assembly in comprehensive launch of this product. We hope to have it out by the end of the year." – Barry Weiner



AmpiProbe: The Results

The Reality Today

Despite its statements over the past seven years that AmpiProbe would drive growth and profitability for Enzo, <u>AmpiProbe has not generated</u> any material revenue for the Company.

- AmpiProbe has received approval in the state of New York, but has yet to receive FDA approval.
- Consequently, the platform can only be used in Enzo's own lab or sold for research use only.
- Since Enzo began developing AmpiProbe in 2012, the Company's revenues have declined from \$103 million in fiscal 2012 to \$80 million in the LTM period ended October 31, 2019.



Strategic Partnerships: The Promises

For years, management has repeatedly pointed to strategic partnerships as a source of growth and profitability

"And as such, we continue to explore joint ventures and other forms of partnerships as a way to help advance technologies and benefit all of us as shareholders." - Barry Weiner

Q3 2014 Earnings Transcript

2014

"Establishing business relationships on many fronts is a key goal of the many goals that we have set forth for our team here. We are in dialog with multiple parties...And you could very well see the consummation of relationships with a number of parties out there in the near future." - Barry Weiner

2016

Q4 2016 Earnings Transcript

"In the past quarter alone we've held numerous discussions with many strategic partners, many of whom we've met with over the last year. Defining the scope of new relationships and building collaborations and partnerships takes time. However, Enzo's disruptive strategic plan is gaining market awareness and acceptance and we are confident new relationships will materialize." - Barry Weiner

Q2 2019 Earnings Transcript

"Finally, we have been developing...business opportunities that are under development, provide from multiple unique opportunities to partner and joint venture to exploit the commercialization capability that they present and dialog is now currently underway to try to move these products in a more expeditious way." - Barry Weiner

2018

Q4 2018 Earnings Transcript

The Board and management talk in circles –
Stringing shareholders along with vague and empty promises of delivering long-anticipated results



Strategic Partnerships: The Results

The Reality Today

Five years later, no deal has ever been completed – and only vague details of discussions or potential partners have been presented publicly to shareholders

Has Enzo made any meaningful effort to consummate a partnership that could provide growth opportunities for the Company?



Management Claims Versus the Results

For years, Barry Weiner has consistently made comments that Enzo was on the cusp of creating substantial shareholder value. Yet, shareholders have only losses to show for these misleading comments which have come during a remarkable period of equity market appreciation.

Event	Date of Claim	Claim	TSR Since
Q3'14 Earnings Call	Jun 10, 2014	We have been a very conservative company in managing our cash utilization	-44%
Q4'14 Earnings Call	Oct 10, 2014	We are continuing to position the company for further growth	-45%
Q1'15 Earnings Call	Dec 10, 2014	Ultimately, our objective, of course, is to achieve a significantly greater value for the corporation	-43%
Q2'15 Earnings Call	Mar 13, 2015	I can comfortably state that few healthcare companies have the core competencies we possess	-20%
Q3'15 Earnings Call	Jun 10, 2015	think we've had extreme consideration for our shareholders	-13%
Q4'15 Earnings Call	Oct 13, 2015	We are executing on our business strategy	-30%
Q1'16 Earnings Call	Dec 8, 2015	I believe we're at a <u>pivotal point</u> in the company's history to-date	-41%
Investor Presentation	Dec 21, 2015	Enzo Is Positioned to Thrive NOW	-43%
Q2'16 Earnings Call	Mar 10, 2016	I think we have set the stage now for really looking towards growth in this corporation	-39%
Q3'16 Earnings Call	Jun 8, 2016	We are very sensitive to our long-term shareholders that have been with us	-57%
Q4'16 Earnings Call	Oct 14, 2016	We are fortunately very well positioned to deal with PAMA	-53%
Q1'17 Earnings Call	Dec 9, 2016	We have tried to build a model which is unique, which is special. I think we have done that	-62%
Q2'17 Earnings Call	Mar 13, 2017	I think we have a very strong business plan that we're executing on	-62%
Q3'17 Earnings Call	Jun 9, 2017	This result points to Enzo's significantly improved operating performance, a trend we expect to continue	-74%
Q4'17 Earnings Call	Sep 28, 2017	We believe Enzo is clearly on the cusp of a profitable growth oriented strategy	-75%
Q1'18 Earnings Call	Dec 8, 2017	Our transformation is starting to reflect in our financial performance	-70%
Q2'18 Earnings Call	Mar 13, 2018	We are pleased that Enzo's strategic initiatives are on schedule and moving forward	-60%
Q3'18 Earnings Call	Jun 12, 2018	The opportunities are certainly there and we plan to fully capitalize on them	-57%
Q4'18 Earnings Call	Oct 16, 2018	We believe the next year will be a year of extreme accomplishment and transition for our company	-32%
Q1'19 Earnings Call	Dec 11, 2018	I think over the years Enzo has been probably one of the most efficient users of capital	-10%
Q2'19 Earnings Call	Mar 12, 2019	The market value of the company as we see it today is not reflective of the assets and we recognize that	-6%
Q3'19 Earnings Call	Jun 11, 2019	We're hitting it on all cylinders	-33%
Q4'19 Earnings Call	Oct 15, 2019	The company continues to make significant progress toward unlocking shareholder value	-21%



Reactive Behavior

- We stated in our September 2019 public letter to shareholders that Enzo should explore strategic alternatives for the Therapeutics business.
- In response, management said that we do not understand the Company and do not know what we are doing.
- Yet in response to our call for change, Enzo did exactly what we said it should be doing when it
 announced that it had hired Lazard "to assist in strategic relationships and new venture creation across
 the company's four core platforms: molecular, immunohistochemistry, cytology and immunology.^{1"}

Subsequently in the Q1 2020 earnings release, Enzo announced that "it will consider various avenues to unlock value in its Therapeutics subsidiary²"

Clearly Enzo agrees with our assessment that change is needed. However, promises are insufficient. Management must be held accountable for the results



1 https://www.businesswire.com/news/home/20191205005763/en/
2 https://www.businesswire.com/news/home/20191210006020/en/Enza-Biochem-Reports-Eiscal-Quarter-Results

Enzo's Delivery Pipeline Delay: No End in Sight

ENZ Development Activity from 10-K





Hallmarks of Enzo:

- Consistent loss of shareholder value
- Consistent promises just around the corner that never seem to arrive
- ☐ Consistent lack of oversight at the Board level



Enzo: The Case for Change

WHY CHANGE IS NEEDED			THE FACTS		
Τ.	Sustained History of Value Destruction	0	Common shareholders have suffered years of stock price and financial underperformance – excluding legal settlements, the Company has not produced one dollar of operating profits since 2004.		
		0	Poor performance against relevant indices and peers over the past 1, 3, 5, 10, and 30-year time periods highlights the magnitude of management and the Board's value destruction.		
	History of Overpromising and Underdelivering	0	Enzo's history is filled with broken promises and missed expectations.		
Ше		0	Products that Enzo has promised will deliver value have failed year after year to produce any material revenue.		
m	Failed Corporate Governance	0	Enzo is a disaster from a corporate governance perspective with a complex web of related parties and self-dealings.		
Ш.		0	Despite being the subject of two prior proxy fights – including one where the dissident was the Chairman's own brother – Enzo has failed to make any substantial governance improvements		
IV/	Excessive Compensation for Underperformance	0	Enzo executives continue to see their compensation grow year after year, even as the Company generates consistent losses.		
IV.		0	Enzo's leadership is being rewarded for overseeing an unprofitable and value destructive business.		



Corporate Governance: Failing at the Basics

Essential Characteristics	Enzo	Comments
Independence and Accountability	7	Outdated governance structure. Combined CEO and Chairman Role. Classified Board.
Checks and Balances	7	Conflicts of interest. CEO / Chairman tenured for 44 years. Former CFO / Current Board member tenured for 43 years.
Regular Refreshment and Focus on Shareholders' Best Interests	7	19+ year average director tenure. No shareholder right to call special meeting.

Recent governance "improvements" are inadequate					
"Improvements" cited in Enzo's 12/5/19 press release ¹	Sufficiently addresses core issues?	Comments			
"[A]pproved a proposal to implement a majority vote standard in uncontested elections"	×	Basic tenet of good corporate governance, already, adapted by 92% of companies in the S&P 500 Index.² Clearly reactive to HDF's public pressure.			
"[A]dopted a Board diversity policy"	×	While the last minute addition of Rebecca Fischer may bring welcome fresh perspective to the boardroom, the change is insufficient to hold management accountable.			
"[E]nhanced the robustness of the responsibilities of the Lead Independent Director role"	×	No sign that this is an effective counterweight to the Company's imperial Chairman / CEO.			



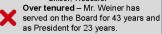
https://www.businesswire.com/news/hom.e/20191205005763/en/

Change is Desperately Needed

The Board is entrenched with Directors who have overseen significant value destruction at Enzo

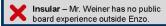


Barry W. Weiner
Director since 1972
Co-Founder, President, Principal Accounting
Officer, Treasurer





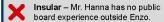


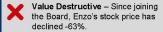




Bruce A. Hanna, Ph.D.

Director since 2017
Audit, Nominating and Corporate
Governance Committee Chairman
Compensation Committee Member









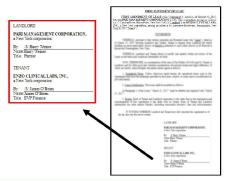
Family Affairs at Enzo

Related Party Transactions Demonstrate the Mindset at Enzo

- Enzo Labs has leased a facility in Farmingdale, New York, from Pari Management since 1989.
- Pari Management Corporation is owned equally by Dr. Elazar Rabbani, Barry Weiner (and his wife), and former officer and director Shahram Rabbani (who is also a co-founder and the CEO's brother).
- In 2019, Dr. Rabbani and Mr. Weiner each received roughly \$600,000 under this arrangement.
- In fiscal 2019, Enzo paid \$4,873,000 in rentrelated expenses.



The Farmingdale, NY facility

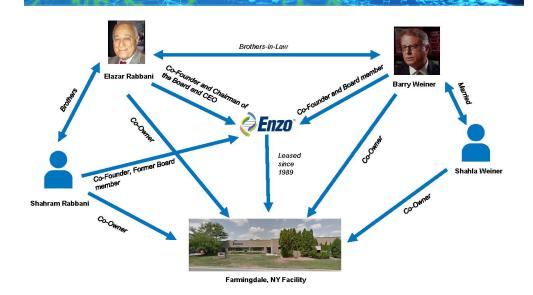


Dr. Rabbani and Mr. Weiner have used their positions of power at Enzo to further their own agenda – and line their pockets



Source: https://www.bamsec.com/filing/930413190026917cik=316253 **Source:** https://www.sec.gov/Archives/edgar/data/316253/000093041315003965/c82714_ex10s.htm

Tangled Web of Self-Dealings



↑ HMC

Enzo's Employee Reviews

Corporate governance issues in the boardroom affect the Company culture as a whole

findeed in the second of the s	Disorganized Family Environment It is a small company that is family orientated with stressful job assignments. Upper management is highly disorganized. Worst compensation from Lab corporation.
glassdoor	Review Teled: "Ohhh the Horror" The only thing good about ento is the ppl you will work withThe avgitechnologist is smarter than the average manager, and nepotism, hiring based on favoritism is routine
glassdoor	Review Titled: " Meh " My boss doesn't want to take phone calls so I have to field <u>all of client service questions.</u> Advice to Management: <u>Hanner your promises</u>
glassdoor	Did not trust opinions of professional staff. Ulten puts blame on employees instead of looking at root of the problem. Advice to Management: <u>Irust your employees</u> professional opinions. Ireat your employees better. Believe in Murphy's Law.
glassdoor	"Management needs to be more structured" Advice to Management: Create <u>more structure</u> in positions



Source: https://www.indeed.com/cmp/Enzo-Biochem/reviews
Source: https://www.glassdoor.com/Overview/Working-at-Enzo-Biochem-El_IE854.11,23.htm

Family Feud in the Boardroom



Law360 (January 26, 2010, 4:14 PM EST) — Enco Blochem Inc. has reached a sestlement with founder and board member Shahram Rabbani, who stapped the company with a \$10 mHon breach of contract at hitzarion claim in 2000 and recently sought to delay its annual meeting due to a dispute over board normness.



Enzo Biochem Shares Fall Day Before Co-Founder's Proxy Fight

ey outsid Beneits of Dour Costs Intellates; INEW YORK (Dour Lones).—Shares of From Blochem Inc. (FN7) dropped: Thurscop; aday shead of fits annual Investing, where the biotechnology company will be facing a proxy fight headed by its now fixed co-founder.

- Enzo co-founder Shahram K. Rabbani was fired from the Company in 2009.
- In order to secure a seat on the Board, to which he had not been re-nominated in 2010, Mr. Rabbani launched a proxy fight to get himself and two other nominees elected.
- Additionally, Mr. Rabbani <u>sued Enzo for \$10 million</u>, citing a breach of contract.
- Mr. Rabbani also claimed that his brother, co-founder, and CEO Elazar Rabbani and then-CFO Barry Weiner "unlawfully retaliated against him."
- In an attempt to delay the Annual Meeting of Shareholders, Mr. Rabbani filed a restraining order.

Even the co-founder and Chairman's brother – the ultimate insider – recognized the issues at Enzo



Source: https://www.law360.com/articles/146153/enzo-settles-litigation-with-founder-over-firing
Source: https://www.marke.twatch.com/story/enzo-biochem-resolves-disputes-with-co-founder-2010-01-28

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Family Feud in the Boardroom

Enzo is Run Like a "Family Business"

In his preliminary proxy statement, Mr. Shahram Rabbani highlighted the myriad operational, corporate governance, and interpersonal issues <u>still</u> facing Enzo:

Preliminary Proxy Statement

"The board of directors has allowed the Company's management to entrench itself and de facto control of the Company is vested in two individuals. Decision making authority for all of the Company's corporate, strategic and business development plans is vested in Elazar Rabbani, the Company's Chairman of the Board, Chief Executive Officer and Secretary, with the obeisance of Barry W. Weiner, his brother-in-law and the Company's President, Chief Financial Officer, Principal Accounting Officer and Treasurer."

"Company management has managed the Company like a family business without regard to the interests of the public stockholders while the Board has consistently given its rubber stamp of approval."

"The Company has failed to formulate a sustainable, long term strategic plan."

"The board of directors has failed in any way to hold management accountable for the Company's performance and has failed to act with any regard to the interests of stockholders and the actual performance of the Company."

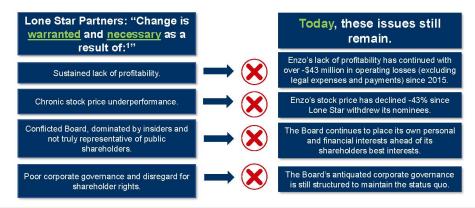
10 years later, the same cronyism and entrenchment still is hurting Enzo shareholders



Source: https://www.sec.gov/Archives/edgar/data/316253/000093041310000091/c59882_prec14a.htm

Lone Star Value

- In 2015, Lone Star Value wrote a letter to shareholders making a case for change at Enzo and nominating two directors to the Board.
- Lone Star Value raised concerns about the Company's chronic underperformance and corporate governance failings – many of which are still serious concerns today.

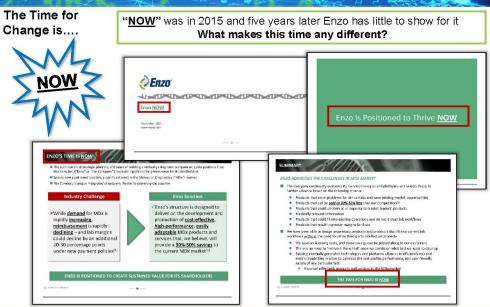




https://www.prnewswire.com/news-releases/lone-star-value issues open letter to shareholders of enzo blochem-inc 300196223.htm

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Enzo's Response to Lone Star was the Same as its Response to HDF Today

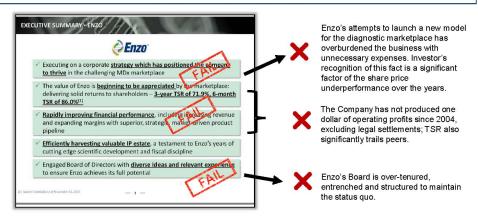


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Source: https://www.sec.gov/Archives/edgar/data/316253/000093041315004807/c83324_ex99-1.htm

No Successful Changes Have Been Made

The same 2015 presentation outlined major strategic goals for Enzo, and the Company failed to execute on almost all of them



Enzo is in desperate need of a new Board and strategy that acknowledges the Company's strengths and weaknesses as well as the broader market realities



Source: https://www.sec.gov/Archives/edgar/data/316253/000093041315004807/c83324_ex99-1.htr

Shareholders are Frustrated

On Enzo's Q1 2020 earnings call in December 2019, a shareholder highlighted management's history of value destruction and called out its failure to deliver on promises

Hi Barry. I've been a shareholder for over 20 years and so far all I have to show for it are losses. I recently bought the stock because of Enzo's therapeutic programs. The more I heard about Enzo's expanding list of therapeutic targets the more excited I became. I want to ask questions today, because I am confused about Enzo's current therapeutic programs and I want for myself and other shareholders to understand what Enzo is doing in the therapeutics area. Just to give some flavor as to where my concerns arise back in quarter two 2017 conference call which is March 13, 2017, which is two years nine months ago Rodman & Renshaw asked you a question. Can you talk a little bit about Alequel and what is needed to move into the pivotal development stage? Your answer was, Alequel was the product that is completely -- Alequel is the product that has completed actually two Phase 2B studies for the treatment of Crohn's disease. It's interesting that you ask that question because we have been getting, we have completed trial and we've been looking at the next steps in that process. Our focus has been more in the area of our diagnostic universe, because we've had more of a strategic focus in terms of the opportunities that we have in front of us on the laboratory side but Alequel is certainly part there and we've actually been in recent dialogue. We are getting interest for this product by those that have used it within the clinical studies and there are some dialogue and we may try to now accelerate the opportunity of Alequel and get it out there, if not within the United States outside of the United States. So two years and nine months later, you -- we hear that you're coming up with four different alternatives to what you might do at some point in the future with your therapy -- with your therapeutics program. I'm just wondering, if you can give Enzo's shareholders a flavor as to what that program actually is and give shareholders some level of comfort that after all these years and some of these programs have been in existence for over a dec Why we should feel confident that now Enzo will in fact be doing something with this? What I thought was a very valuable part of the company.

Enzo management has made false promises for years and years and is clearly only interested in creating value for themselves



Engagement Timeline

Harbert has tried to engage constructively with Enzo

Date	Key Event
Oct. 22, 2018	Harbert Discovery Representatives called the Company's President Barry Weiner to discuss Enzo, the history of the Company and its outlook.
Nov. 15, 2018	Harbert Discovery Representatives met with Mr. Weiner in the Company's offices to discuss the Company and its strategy in more detail.
Dec. 18, 2018	Harbert Discovery Representatives held a call with Mr. Weiner to discuss the Q1 2019 results, ampiprobe platform and the Company's strategy.
March 27, 2019	The Harbert Discovery Representatives held a call with Mr. Weiner to discuss the Q2 2019 results and the Company's strategy moving forward.
May 7, 2019	The Harbert Discovery Representatives met with the Dr. Elazar Rabbani and Mr. Weiner to discuss the Company, its strategy and management's plan to return the clinical labs segment to profitability.
May 28, 2019	The Harbert Discovery Representatives had a conversation with Mr. Weiner in which the Harbert Discovery Representatives requested (1) the replacement, prior to the Annual Meeting, of two of the Board's current incumbent directors with the Nominees, Fabian Blank and Peter J. Clemens, N'; (2) the Company to take all steps to declassify the Board at the Annual Meeting so that the Board would be elected annually; (3) a Board observer role for Mr. Lucas.
June 13, 2019	The Harbert Discovery Representatives had a conversation with Mr. Weiner, during which Mr. Weiner replied to Harbert Discovery by stating that it was too early to have discussions regarding Enzo's proxy statement and plans for the upcoming Annual Meeting. The Harbert Discovery Representatives retlerated that Harbert Discovery was looking for its requests made in the May 28, 2019 call to be effected collaboratively and prior to the issuance of the Company's proxy statement.
June 24, 2019	Mr. Lucas emailed Mr. Weiner and Bruce Hanna, requesting a call and restating the Harbert Discovery Representatives' three requests in an attempt to work constructively with the Board to reach an amicable outcome.
June 25, 2019	Mr. Hanna responded to Mr. Lucas' June 24 email by expressing that a call should be held after July 4. Mr. Lucas responded to Mr. Hanna and Mr. Weiner asking for a 30-minute conversation on June 26 or 27. Mr. Lucas responded expressing frustration at the delay and reiterating that the Harbert Discovery Representatives preferred to have a call sooner.
June 26, 2019	Mr. Lucas and Mr. Hanna set up a call for July 8 by email.
July 8, 2019	Mr. Lucas had a telephone conversation with Mr. Hanna. Mr. Hanna said he would get back to Mr. Lucas in a day or two.
July 10, 2019	Mr. Lucas emailed Mr. Hanna to see if any progress had been made. Mr. Hanna responded noting that the Board had met to discuss the requests and that a written response was being prepared.
July 12, 2019	Mr. Lucas emailed Mr. Hanna asking when the Harbert Discovery Representatives could expect to receive the response. That same day Mr. Hanna emailed Mr. Lucas the Board's response. Mr. Hanna conveyed that the Board would not agree to meet any of Harbert's requests.



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Engagement Timeline – Cont'd

Date	Key Event
July 25, 2019	Mr. Lucas responded to Mr. Hanna's July 12 email, copying Mr. Weiner. Mr. Lucas expressed disappointment in the Board's rejection of the Harbert Discovery Representatives' requests, but noted he was reaching out to the Company again in an attempt to open a constructive and cooperative dialogue in the hopes of reaching a mutually-agreeable solution that would benefit the Company and its shareholders. To that end, Mr. Lucas included the resumes of the Nominees.
July 30, 2019	Mr. Hanna emailed Mr. Lucas stating that he was in receipt of the resumes of the Nominees and that he would send them to the other Board members as part of its due process. Mr. Lucas responded stating that Harbert Discovery was looking for immediate change to the Board, not, what was in the Harbert Representatives view, a mechanical, half-hearted fulfilment of "due process" by the Board's Nominating and Corporate Governance Committee in preparing the proxy statement for the next Annual Meeting.
Sept. 17, 2019	Harbert Discovery issued a public letter to the Company shareholders stating that it was nominating Mr. Clemens and Mr. Blank for election to the Board at the Company's upcoming 2019 Annual Meeting. Harbert Discovery launched a website, www.cureenzo.com.
Oct. 6, 2019	Mr. Blank emailed Mr. Weiner, copying Mr. Clemens, offering to meet in person or by phone to establish a basis for a constructive dialogue.
Oct. 9, 2019	The Company's outside counsel emailed Mr. Blank, Mr. Clemens, Mr. Lucas and Harbert Discovery's outside counsel with a formal invitation for interviews and an extensive 63-page questionnaire for Mr. Blank and Mr. Clemens to fill out.
Oct. 10, 2019	Mr. Lucas emailed Dr. Rabbani and Mr. Weiner, with the Nominees being included in such dialogue, as the Harbert Discovery Representatives felt that cooperative engagement from the Company was needed in order to move forward and that Harbert and the Company should agree on a framework for a settlement before getting bogged down. Mr. Weiner neglected to respond to the request.
Oct. 14, 2019	Dr. Rabbani's assistant emailed Mr. Lucas offering to have preliminary interviews with the Nominees stating that the Board members' calendars were being checked for availability, and stating that the questionnaires sent on October 9 would need to be completed as part of any formal interview process. The email did not respond to Harbert Discovery's request for a meeting amongst principals.
Oct. 16, 2019	Dr. Rabbani's assistant emailed Mr. Lucas stating that the Board's willing to have interviews with the Nominees on Nov. 4 or 5.
Oct. 18, 2019	Mr. Clemens placed a call to Mr. Weiner to make a further attempt at establishing a constructive dialogue, but was unable to reach Mr. Weiner and had to leave his contact information with Mr. Weiner's assistant. Mr. Weiner to date has not returned the call.
Nov. 14, 2019	Mr. Lucas again emailed Dr. Rabbani seeking a dialogue between the businesspeople in an attempt to avoid a proxy fight.
Nov. 15, 2019	After not receiving a response from Dr. Rabbani, Harbert Discovery filed its preliminary proxy statement. Following such filing and over 24 hours after Mr. Lucas requested a response, Dr. Rabbani responded and requested Mr. Lucas to provide his availability. Mr. Lucas provided his availability on November 21 and November 22, but never received a response from Dr. Rabbani.
Dec. 2, 2019	After two weeks of silence from the Company, Mr. Lucas again followed up with Dr. Rabbani requesting a call. Dr. Rabbani responded by agreeing to a call to be held on December 6, 2019.



For months, HDF has attempted to engage in productive dialogue with the Company to reconstruct the Board.

The Company's response of hiding behind lawyers and refusing to seriously engage at a business level has been unproductive and discouraging, highlighting the deep-seated issues resulting from the Company's lack of leadership and oversight.

Without shareholder involvement, we believe management will continue to benefit as shareholders continue to suffer.

Enzo: The Case for Change

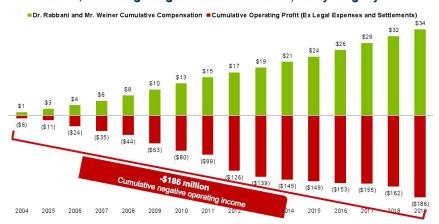
WHY CHANGE IS NEEDED			THE FACTS					
1.	Sustained History of Value Destruction	9	Common shareholders have suffered years of stock price and financial underperformance – excluding legal settlements, the Company has not produced one dollar of operating profits since 2004.					
			Poor performance against relevant indices and peers over the past 1, 3, 5, 10, and 30-year time periods highlights the magnitude of management and the Board's value destruction.					
	History of Overpromising and Underdelivering	0	Enzo's history is filled with broken promises and missed expectations.					
П.			Products that Enzo has promised will deliver value have failed year after year to produce any material revenue.					
III.	Failed Corporate Governance		Enzo is a disaster from a corporate governance perspective with a complex web of related parties and self-dealings.					
			Despite being the subject of two prior proxy fights – including one where the dissident was the Chairman's own brother – Enzo has failed to make any substantial governance improvements.					
11.7	Excessive Compensation for Underperformance		Enzo executives continue to see their compensation grow year after year, even as the Company generates consistent losses.					
IV.			Enzo's leadership is being rewarded for overseeing an unprofitable and value destructive business.					



Excessive Compensation for Underperformance

Enzo has reported operating losses every year since 2004

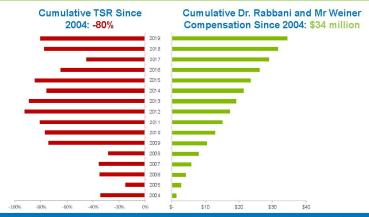
Yet, the Board approved paying the Dr. Rabbani and Mr. Weiner over \$34 million, including a significant cash bonus, every single year



Source: Company filing

Excessive Compensation for Underperformance

In our view, Enzo's underperformance is a direct result of weak governance and misaligned incentives



Why are Dr. Rabbani and Mr. Weiner being rewarded for leading a business that is value destructive for shareholders?



Questionable Compensation Practices

The Board appears to be using unjustifiable and inaccurate financial results when deciding management's 2019 compensation

- 50% bonus threshold met with a 20.6% <u>decline</u> in revenue. Management should not be compensated for a drastic decline in revenue.
- In its proxy statement, Enzo claims Adjusted EBITDA improved \$13.6 million.¹

	Threshold	Target	Maximum	Achieved
Financial Performance Measures—Revenue		(in millions)		
Corporate Revenues—trade and service	\$80.2	\$100.3	\$110.3	\$81.2
Payout—Revenue	20.70	100%	150%	51%
Financial Performance Measures—Profit & Adjusted EBITDA				
Corporate operating loss improvement	\$ 2.3	\$ 2.9	\$ 3.2	019.0
Adjusted EBITDA improvement	\$ 1.4	\$ 1.8	\$ 2.0	\$13.6
Payout—Profits & Adjusted EBITDA	80%	100%	150%	11.00

 However, in the 2019 results press release they acknowledge Adjusted EBITDA declined by over \$15 million from -\$9 million to -\$24 million.

ENZO BIOCHEM, INC. 2 EBITDA & Adjusted EBITDA Reconciliation Table (Unaudited, in thousands)

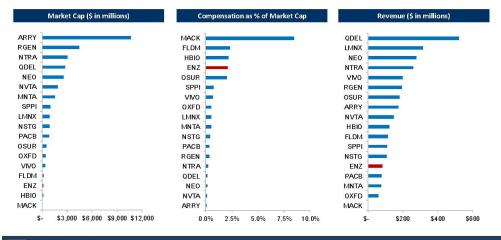
		Three months ended July 31,			Twelve months ended July 31,			
	2	2019	2	018		2019	7	2018
Adjusted EBITDA	\$	(5,019)	\$	(5,263)	S	(24,456)	\$	(9,122)



1. https://www.sec.gov/Archives/edgar/data/316253/000093041319002928/c94610_defc14a.ht 2. https://www.sec.gov/Archives/edgar/data/316253/000093041319002970/c94734_8k.htm

Management Compensation has been Inflated

The Board's decision to use a peer set of much larger companies appears to be a clear attempt to inflate management's egregious takehome pay even in the face of horrible fundamental performance



Source: Bloomberg, company filings.
Note: ARRY market capitalization as of date of acquisition.

Compensation Decoupled from Performance

Enzo's Compensation
Committee sets
compensation levels
based on much larger
peer companies, failing
to account for Enzo's
smaller size

Normalizing for these metrics highlights excessive compensation





The Company's compensation structure is <u>excessive</u>, <u>misaligned</u> and <u>unjustifiable</u> – resulting in consistent value destruction for shareholders



ource: Bloomberg, company filings



Our Independent Nominees are the Right Fit

Fabian Blank

Mr. Blank brings extensive experience and expertise across all sectors of the healthcare industry, as well as a business and investment background through his roles advising healthcare executives and boards.



Healthcare



Investment **Background**

Experience



Public Company Board Experience

Operational Expertise - Substantial operational and growth experience in the healthcare space

- Senior healthcare executive with a broad and diversified operational background across multiple areas of the healthcare industry and global markets.
- Former Partner at McKinsey, total tenure of 13 years. Focused on growth topics in various settings of acute, rehab, labs and polyclinics (next to other growth industries) while leading projects in over 20
- Previously, CEO and Co-owner of the Meduna Klinik Group, a rehab clinic company that successfully grew revenues and EBITDA, culminating in a sale to PE.
- Independent Non-Executive director of Georgia Healthcare Group PLC, an integrated healthcare group (inpatient/ outpatient services, pharma, laboratories, insurance) that is prime-listed at the LSE/ London Stock Exchange.
- Senior Advisor to leading private equity funds and venture capital firms focused on healthcare services and technology driven healthcare solutions.
- Non-Executive Chairman of Recover Health Ltd., a company focused on developing a digital platform to increase the quality of life of both stroke survivors and caregivers.
- Graduate business management degree (Diplom Kaufmann) from the HHL Leipzig Graduate School of Management and completed additional studies at University of Trier, Boston University and ESADE in Barcelona, Spain.

🜃 I am thrilled to bring a growth mindset to Enzo as 💔 we catalyze the value of Enzo's assets and IP.



Our Independent Nominees are the Right Fit

Peter J. Clemens, IV

Mr. Clemens brings experience as an executive in the healthcare industry, a senior advisor and strategist to healthcare professionals across a plethora of medical industries and an extensive background in and knowledge of healthcare finance





Industry Experience



Public Company C-Suite Experience



Financial Expertise

Financial Expertise - Public healthcare company CFO

- Distinguished career in healthcare serving in multiple senior finance roles and as the CFO of two successful publicly traded companies
- Began career in credit and lending roles at both AmSouth Bank and Wachovia Bank.
- Subsequently joined Caremark where he held multiple senior finance roles for over 15 years and was CFO of the company as they successfully completed a \$21B merger of equals with CVS Corporation after over a decade of tremendous growth and outsized returns to shareholders.
- Then served as the CFO of Surgical Care Affiliates, providing valuable guidance through an IPO process, transitioning from private equity ownership, and several years of robust growth for the company.
- Currently retired from full-time operational roles and is focused on business consulting, Director of Vituro Health and Chairman of the Samford University Board of Overseers.
- Previously served on the board of DSI Renal, a privately owned dialysis company that was sold to Fresenius in September of 2011.
- Holds a Bachelor's degree from Samford University and an MBA in Finance from Vanderbilt



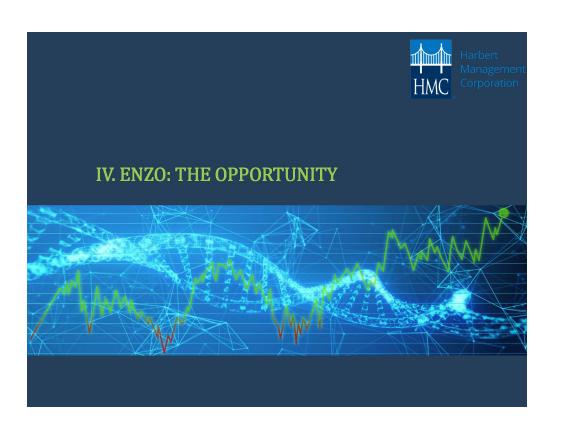
A rigorous focus on costs and financial results is needed in the boardroom and my background aligns perfectly with that need.



Our Independent Nominees Intend to:



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Despite decades of poor oversight and mismanagement, Enzo has a collection of businesses and assets that, with a sound growth strategy, more prudent expense structure, appropriate capital allocation, and effective, independent oversight, could see significant improvement and create substantial value for all shareholders.

Our Plan to Create Shareholder Value

The majority of Enzo's potential value could be unlocked through:

Establish New Corporate Strategy

Engage in Sale of Non-Core Assets

Return Excess Cash to Shareholders



Our Plan to Create Shareholder Value

New Corporate Strategy

- Enzo should focus on the inherent strengths of its lab's location in a high-density population
 market and strong relationships with existing customers. Building on those two strengths
 coulded with prudent cost cuts could return that segment to profitability.
- coupled with prudent cost cuts could return that segment to profitability.

 We believe the vast expertise and extensive networks of our candidates will put Enzo in a position to execute strategic partnerships that can quickly accelerate growth in the life sciences division.
- Instead of continuing to litigate, Enzo should look to monetize non-core patents. This would
 provide an immediate, substantial cash inflow to the business, while also signaling to potential
 strategic partners that Enzo is looking to work together in good faith in the future.

Sale of Non-Core Assets

- The therapeutics division has value to a strategic buyer, but at Enzo it has proved to be a
 distraction to management and the Company as a whole.
- distraction to management and the Company as a whole.

 Instead of periodically promoting one potential therapy or another, only to see it fail to progress beyond a Phase I or Phase II trial, Enzo should sell the division to a buyer with a proven track record of successful therapeutic development.
- Divesting therapeutics would provide the best risk adjusted value for Enzo shareholders in our view.

Return Excess Cash to Shareholders

- Following the right sizing of the clinical services cost structure, accelerated growth in the life sciences division, the sale of non-core IP, and the sale of the therapeutics division, Enzo could have a cash balance that matches or exceeds the current market capitalization of the business today.
- Assuming the sale of non-core IP and Therapeutics results in roughly \$70 million of proceeds implies nearly 3x upside from the current share price given peers for the clinical services division and life sciences division trade for roughly 2.3x revenue and 7.5x revenue, respectively.



Clinical Services Peers: LH, D'GX. Life Sciences Peers: CSUR, RGEN, ODEL, NSTG, CXFD, VCYT, VIVO, HBIO, FLDM, NEO, LMNX, SPPI, PACB.

Our Candidates Have Already Positively Impacted Enzo

Since we first highlighted Enzo's numerous deficiencies and requested changes to the Board to create long-term shareholder value Enzo has:

- Engaged Lazard to assist in strategic relationship exploration.
- ✓ Committed to a strategic review of the Therapeutics division.
- Replaced Barry Weiner as CFO, removing the conflict of having the CFO in the boardroom.
- Approved a proposal to implement majority voting.

These are positive first steps even though they should have been taken long ago – which further highlights the Board's reactive nature. In order to ensure accountability for these initiatives, however, change is needed in the boardroom

Once on the Board, our independent nominees will implement further changes to create durable shareholder value over the long-term, subject to their fiduciary duties



Source: https://www.businesswire.com/news/home/20191205005763/en/

Plan to Create Shareholder Value

The majority of Enzo's potential value could be unlocked through several steps in the immediate, near and long-term in our view



- <u>Address Management Compensation</u>: Align management compensation with shareholders.
- <u>Target Bloated Cost Structure</u>: Right size the operating expense base to but Enzo on a path to profitability.
- <u>Evaluate Planning and Budgeting Process</u>: Review budgeting and forecasting processes for all business units.
- <u>Deliver on the Potential of Partnerships</u>: Leverage our independent nominees' broad healthcare networks to initiate partnerships immediately that can drive value in the near and long-term.
- <u>Establish New Corporate Strategy</u>: Enzo needs a new strategy that acknowledges the Company's strengths and weaknesses and will deliver for shareholders.
- Explore a Sale of Non-core Assets: Evaluate selling the Therapeutics division as well as non-core intellectual property.
- <u>Return Excess Cash to Shareholders</u>: Once profitable and growing, Enzo can return excess cash via share repurchases and dividends.
- <u>Deliver Consistent, Profitable Growth</u>: Deliver on Enzo's full potential to create shareholder value in the years to come.



Align Management Compensation

Incentives Matter

- X Enzo's historical poor performance is a direct result of management being rewarded for that performance.
- x Even though Enzo has not generated an operating profit since 2004, management was paid bonuses every year as well as given consistent salary increases.

Our independent Board nominees intend to:

- Reduce cash-based compensation and increase equity-based compensation.
- Set appropriate financial targets that align management with shareholders.
- Establish a more appropriate peer group to evaluate business performance and management compensation.
- Address overly generous other compensation:
 - ✓ Elazar Rabbani and Barry Weiner received \$139k and \$128k in life insurance in 2019.
 - ✓ Elazar Rabbani and Barry Weiner received \$8k and \$25k for personal auto use in 2019.
- Evaluate and adjust incentives and compensation targets for all senior-level and mid-level managers.





Immediate

Action Item



Address Excess Costs

Enzo has a bloated cost structure

- Enzo's Madison Avenue headquarters are excessive for a business of this size.
- The Company has spent \$36 million on Therapeutics R&D since 2004 with not one dollar of revenue to show for it.
- Legal expenses have ranged from \$2 million to \$9 million in recent years to pursue settlements which over the long-term have not generated attractive returns for shareholders.
- Attempts to build out the sales force and the acquisition of an additional laboratory facility have overburdened the business.

Our independent Board nominees intend to:

- Relocate headquarters from Madison Avenue to Farmingdale, NY.
 - This will drive improved performance by bringing management closer to day-to-
- Evaluate the Clinical Services division profitability on a test-by-test basis.
 - Allocate resources to the most profitable tests.
- Evaluate Life Sciences division on a product level.
 - Allocate resources to the most profitable products.
- Target all other unnecessary expenses that do not generate an attractive return for shareholders.
- Therapeutics R&D ✓ Legal expenses







Madison Ave. headquarters



Evaluate Planning and Forecasting Processes

Enzo's consistent failure to deliver on its potential is reflective of inadequate budgeting and forecasting processes



- It is clear that Enzo does not have the appropriate systems and processes in place to accurately forecast the business.
- This is reflected in their consistent inability to achieve stated goals and the incredibly wide range of revenue and EBITDA targets used to set management compensation.

Our independent Board nominees intend to:

- Review budgeting and forecasting processes for all business units.
- Evaluate budget / forecast variance review by segment.
- Make changes to promote improved accuracy and accountability.
- Systematically evaluate growth opportunities by division.



Deliver on the Potential of Partnerships

Enzo has failed to deliver on the potential of partnerships to drive growth:

- Enzo has highlighted the potential of partnerships for years in an effort to commercialize its products and technologies.
- × But the Company has failed to deliver.
- Growth and profitability have subsequently suffered and failed to live up to the potential of the business.
- Enzo's litigious history and nature have thwarted and shied away potential partners.

Our independent Board nominees intend to:

- Apply a creative, growth mindset to Enzo's portfolio of products and Intellectual Property to determine where Enzo can leverage a third-party's distribution, assets, or know-how to create the most value.
- Leverage their extensive and global healthcare networks to initiate partnerships that can create significant long-term value for all shareholders.
- ✓ Hold management accountable for delivering on their promises to shareholders.





It is clear: fresh perspective and new insights are needed



New Corporate Strategy

Enzo's current strategy does not position the Company for

- Enzo has neither the scale nor the expertise to executive on the goal of "creating a new paradigm for the laboratory and diagnostic marketplaces."
 - x Attempting to do so puts the whole enterprise at risk.
- Additionally, Enzo is too small today and building out a sales force would be too costly for Enzo to successfully market the "lab-to-lab" business whereby Enzo will serve as the "central capability" for smaller labs.

Enzo should focus on its inherent strengths

- These include
 - ✓ Lab's location in a high-density population market.
 - Strong relationships with customers.
- Building on those two strengths coupled with prudent cost cuts could return that segment to profitability.
- Additionally, Enzo must act on meaningful strategic partnerships in order to accelerate growth in the Life Sciences division.

We believe the vast expertise and extensive networks of our independent board nominees will put Enzo in a position to execute strategic partnerships that can quickly accelerate growth in the life sciences division







Explore Sale of Non-Core Assets

Enzo's value can be realized through a series of strategic monetization efforts

- Enzo has a very valuable patent portfolio of 406 patents and 75 patents pending as evidenced by \$117 million of settlements since 2001.¹
- Unfortunately, Enzo's legal expenses over that period were \$99 million.²
- Not only has decades of patent litigation at Enzo harmed the Company's reputation, impairing its ability to form partnerships for growth, but the litigation has not produced an attractive return for shareholders.



Near-Term

Instead of continuing to litigate, Enzo should look to monetize non-core patents and assets:

- This would provide an immediate, substantial cash inflow to the business, while also signaling to potential strategic partners that Enzo is looking to work together in good faith in the future.
- The Therapeutics division has value to a strategic buyer, but at Enzo it has proved to be a distraction to management and the Company as a whole.
- Instead of periodically promoting one potential therapy or another, only to see it fail to progress beyond a Phase I or Phase II trial, Enzo should sell the division to a buyer with a proven track record of successful therapeutic development. Divesting Therapeutics would provide the best risk adjusted value for Enzo shareholders.



1. https://www.sec.gov/Archives/edgar/data/316253/000093041319002970/c94734_ex99-1.htm 2. ENZ Public Filings.

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Return Excess Cash and Deliver Profitable Growth

There is real opportunity to be realized at Enzo:

Following the right sizing of the Clinical Services cost structure, accelerated growth in the Life Sciences division, the sale of non-core IP, and the sale of the Therapeutics division.

Long-Term Action Item



Enzo could have a cash balance that matches or exceeds the current market capitalization of the business today

- Assuming the sale of non-core IP and Therapeutics results in roughly \$70 million of proceeds implies nearly 3x upside from the current share price given peers for the clinical services division and life sciences division trade for roughly 2.3x revenue and 7.5x revenue, respectively.
- Longer-term, under our plan, Enzo should deliver consistent profitable growth, resulting in multiple expansion that could have Enzo trading at a premium relative to peers, creating even more shareholder value.
- Clearly, there is substantial opportunity at Enzo for all shareholders. However, the current, misguided strategy is resulting in increasing expenses and a declining cash balance.
- The current Board cannot, in our view, achieve Enzo's full potential. Their tenure of significant value destruction shows why change is needed.



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Fresh perspective in the boardroom will hold management accountable, forcing them to stop value destroying activities, while refocusing the Company on its most promising areas in order to drive profitable growth in the long term.

Vote on the <u>BLUE</u> Proxy Card to Protect and Grow Your Investment in Enzo

- Our highly-qualified independent director nominees will truly represent and act in the best interests of all shareholders.
- ✓ They will work to realign the Company's operating and growth strategy
 and create significant value at Enzo.
- ✓ The boardroom is in need of leadership that will hold management accountable and reestablish objectivity and perspective – and our independent nominees are the right fit.



Shareholders

If you have any questions, or need assistance voting your <u>BLUE</u> proxy card, please contact:



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