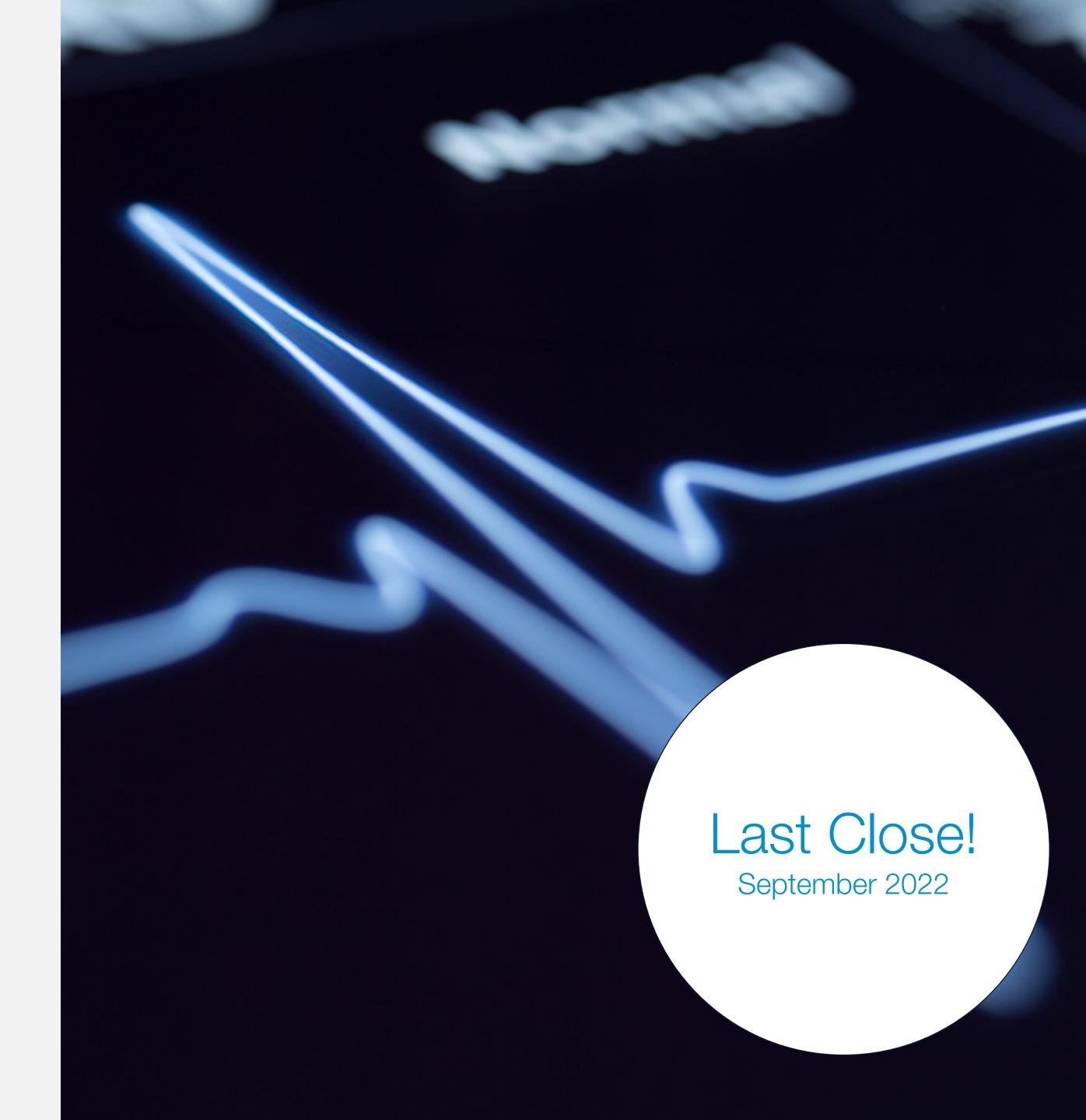


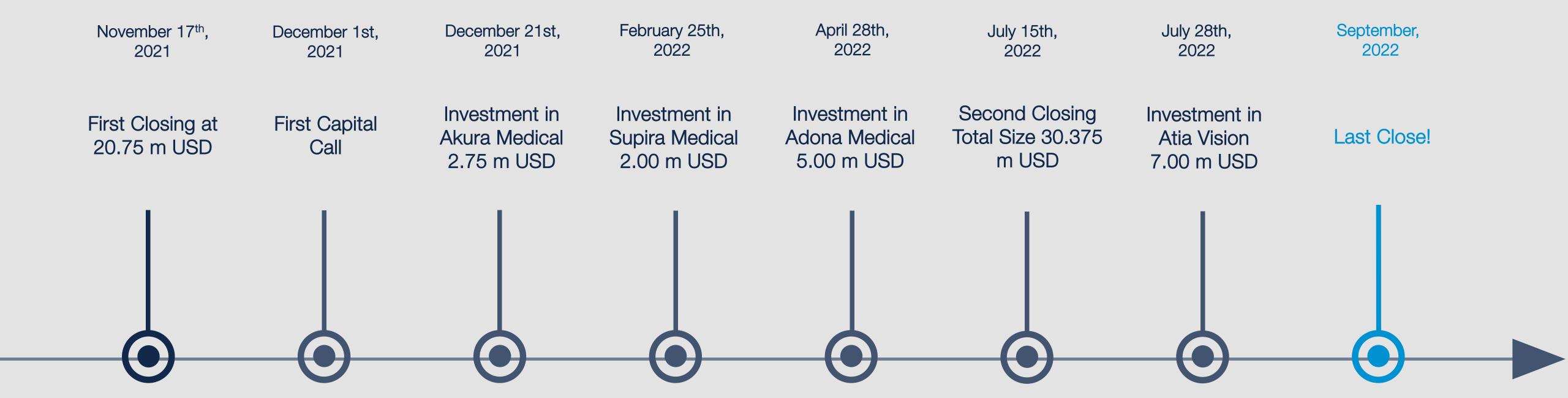
PA MEDTECH VENTURE CAPITAL FUND

Success with MedTech Startups in Silicon Valley

August 2022



Timeline





"At Shifamed, our passion for innovation drives our performance each and every day."

- Amr Salahieh, President & CEO, Shifamed

Access to Shifamed Medical Technology Hub

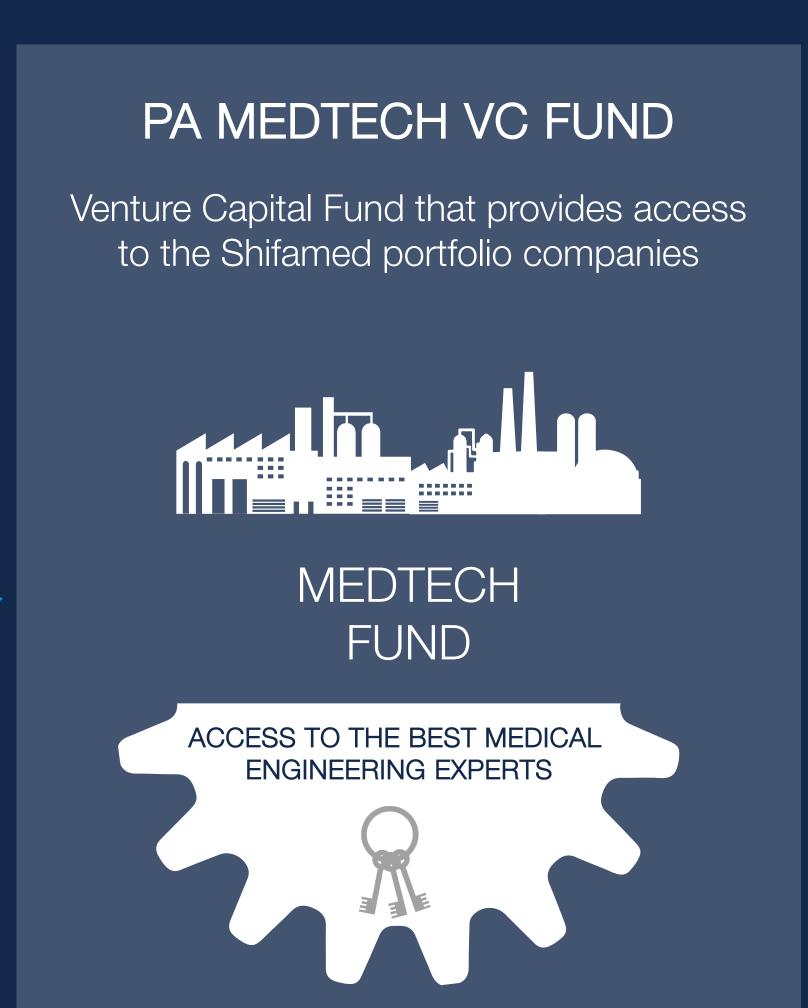


SHIFAMED

Innovation + Execution

Medical technology innovation hub located in a state-of-the-art campus in the heart of the Silicon Valley and building next generation medical products that improve clinical standards and impact patients lives

25 years of experience





INVESTORS

Opportunity to invest in the best MedTech start-ups

Impressive track-record of 6/6 successful exits to strategic partners

4.7X

<5Y

Average return

Average time to exit





Investment Philosophy & Objective

The MedTech Fund offers access to the portfolios of existing or newly created Shifamed companies. These companies follow a fast-follower strategy to expedite value creation.

The portfolio companies are:

- Focused on sectors with strong market growth such as cardiovascular, digital health, Al and ophthalmology
- Sold to large medical technological manufacturers during early clinical phases prior to regulatory approvals

In addition, this Fund is opportunistic regarding attractive opportunities.

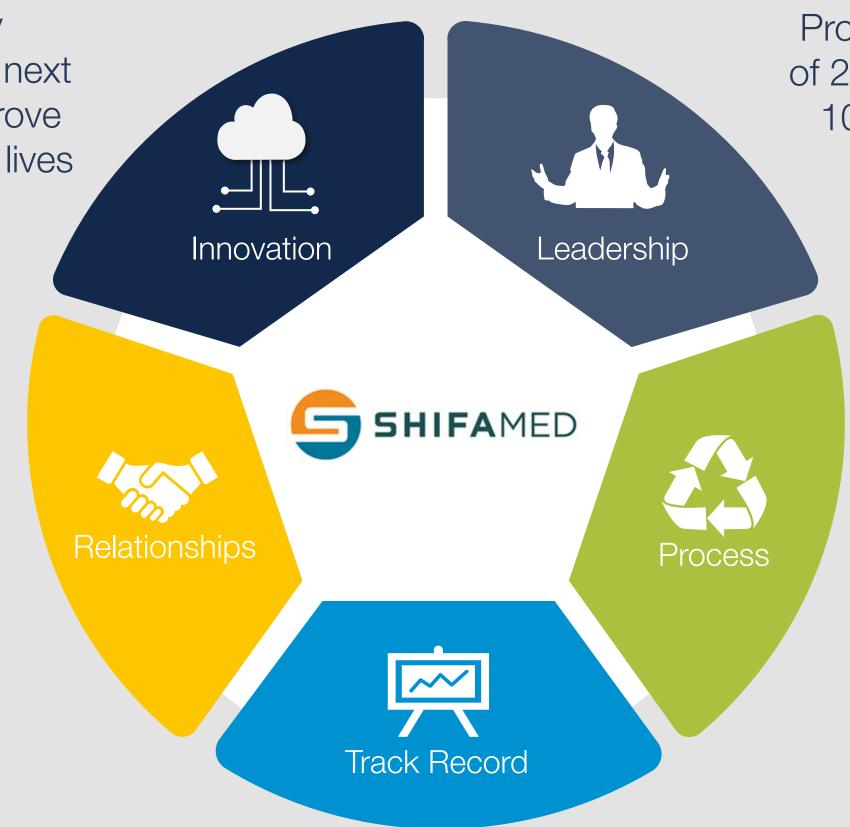
Opportunity



Shifamed Innovation Hub

A fast-follower medical technology innovation hub focused on developing next generation medical products that improve clinical standards and impact patients' lives

Strong, established industry relationships and KOL network



Proven management team with an average of 25 years of experience and approximately 100 patent families collectively within the medical industry

Invests sizeable personal capital in early rounds for each of the companies

Six successful exits to strategic partners



Shifamed Campus



Structure



Investment Structure

Investment Team / Investment Committee

PETER PILAVACHI

Partner and Portfolio Manager

MAURICE PICARD

Partner, Founder & CEO of Picard Angst

The Investment Team is at Picard Angst – the Investment Manager. The Investment Committee is acting as an adviser to Picard Angst and is conducting all due diligence on each portfolio company and project:

- Independent evaluation and issues recommendations for each portfolio company
- Advises on any medical or technical questions



Reserved Alternative Investment Fund

Notz Stucki (Lux) is acting as a fund administrator and Management Company, UBS is acting as a custodian

- Standard setup for VC Investment in EU
- Highly reputable and straight-forward structure
- Optimal investor protection

Investment Services

DR. DAVID-MICHAEL LINCKE

Head of Asset Management

CHRISTOPHE VUILLAUME

Chief Operating Officer

Picard Angst is acting as the Investment Manager (IM) and as such bears the responsibility for:

- Regulatory Obligations
- Legal and Compliance
- Risk Management
- Risk Control
- Portfolio Management
- Distribution











Investment Strategy



Fast-Follower Strategy

ESTABLISHED PROCESSES TO MAXIMIZE VALUE CREATION & ABILITY TO QUICKLY RESPOND

Market need clearly defined:

large unmet clinical need with demonstrated market interest First generation platform(s) show 'promise':

yet limitations inhibit broad scale adoption, providing opportunity for highly innovative leapfrog technology Competitive landscape still early stage:

potential to deliver significant value to the market and investors Infrastructure optimized for rapid development and execution

Depth of core competencies

Proven track record of delivering differentiated solutions & significant value creation







REDUCED RISK + DIFFERENTIATED VALUE PROPOSITION

Innovation Model

\$1-2M DILIGENCE Clinical Market/business PHASE Technical Intellectual property 1-3 YEARS Rapid prototype/concept validation Risk • User feedback, an integral part of the iterative R&D ~\$15M design process PHASE 1-3 YEARS Preclinical studies IP strategy and portfolio development Clinical evaluation-FIH **EXIT** ~\$15-30M Process optimization for large scale manufacturability PHASE 1-3 YEARS Early targeted commercialization



Infrastructure Optimized for Rapid Execution

6

Fully equipped R&D labs for rapid prototype/concept validation



5

Cleanrooms for pilot production



In-House Machine Shop

(6 CNC machines: 3 axis, 4 axis, 5 axis, 6 axis, 2 centerless air-bearing lathes)



Growth Strategy

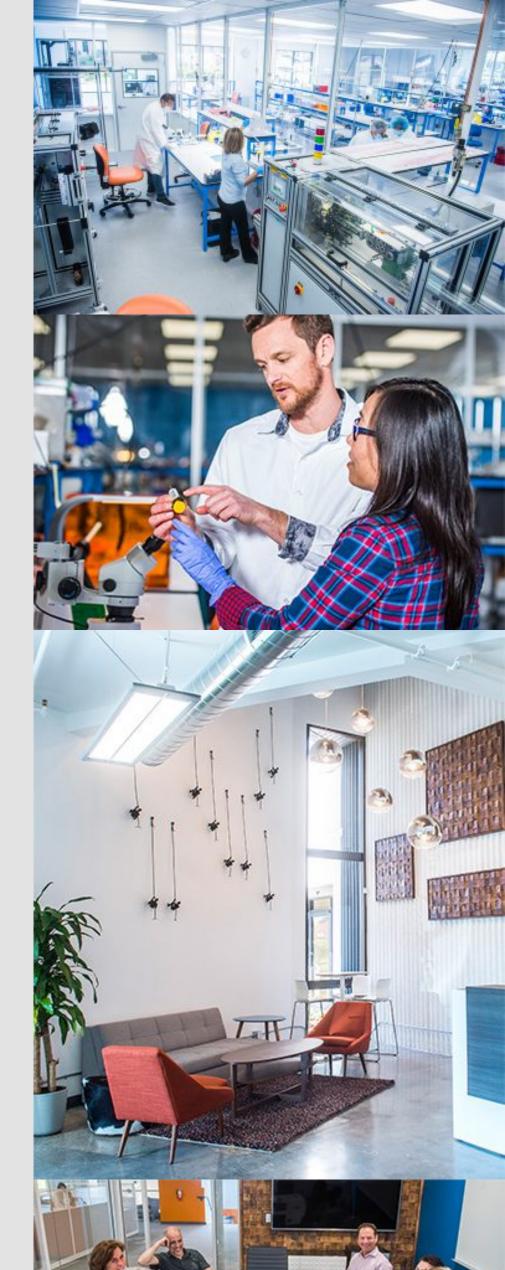
Continue growing minimally invasive high-impact devices (core expertise)

- Cardiology 75%
- Ophthalmology 25%

Expand to new areas with high growth potential



- Software
- Digital Health
- Robotics
- Machine learning & artificial intelligence (AI)





Solid Track Record

COMPANY	SPACE	DEVICE	EXIT		
Embolic Protection	Coronary Artery Disease	Embolic protection catheter	Acquired by Boston Scientific in 2001: \$75M upfront + \$75M in milestones		
Sadra MEDICAL	Structural Heart Disease	Percutaneous aortic valve	Acquired by Boston Scientific in 2011: \$225M upfront + \$225M in milestone payments		
Maya Medical	Hypertension	Renal denervation catheter	Acquired by Covidien in 2012: \$60M upfront + \$170M in milestone payments		
Kalila Medical	Atrial Fibrillation	Steerable sheath for delivery of ablation catheters	Acquired by ABT/Terumo in 2016: Undisclosed		
APAMA MEDICAL	Atrial Fibrillation	RF balloon ablation catheter	Acquired by Boston Scientific in 2017: \$175M upfront + \$125M in milestone payments		
NUVERA	Cardiology	Real-time 3D Intracardiac Echo (ICE) For Advanced Imaging	Acquired by Undisclosed Buyer in 2020: Undisclosed		



Investment Process



Independent Evaluation by the Investment Committee

HIGHLY QUALIFIED SPECIALISTS

Heart surgeon

Engineer Head of Department in Medical Device Company

MedTech commercial leader

SYSTEMATIC EVALUATION

Evaluate
each project
INDEPENDENTLY

Decision to invest in each OPPORTUNITY

- Corporate finance evaluation: where it will model the company
- Commercial analysis with market sizing, map of competitive landscape, go to market strategy
- Operational analysis with a due diligence on the operational aspects

VALIDATION & INTEGRATION

Validate product design and production plan

Investment process

Continuous follow-ups



Systematic Approach by the Investment Committee

Initial Due Diligence

- First-generation technology/device and its limitations
- The addressable market, the competition and the IP impact
- The technical feasibility
- Discussion with our network of practioners and strategic players about the interest in the market

FIRST STAGE

Assessment of the Environment

- Definition of the clinical need
- Competitive landscape
- Market assessment and identification of potential buyers
- Differentiation and value proposition
- Health economics and reimbursement policy
- IP and business due diligence
- Clinical and regulatory due diligence

SECOND STAGE

Operational Analysis

- Talent pool
- Value creation
- Standardize operating procedures, adopting best practices, incorporate lessons learned

THIRD STAGE



Portfolio & Pipeline Facts



Fact Sheet

Last Close! September 2022

Picard Angst	Picard Angst MEDTECH		
Type of Investors	Professional/Institutional clients		
Fund Size	50-80 m USD (Currently: 30.375 m USD)		
Minimum Investment	150 k USD		
Management Fee	2% p.a.		
Performance Fee	20%		
Investment Criteria	Big medical device market / fast follower opportunity		
Stage	Early stage / Pre-revenue		
Fund Life	5 years + 1 + 1		
Investment Manager	Picard Angst Ltd.		
Fund Administrator	Notz Stucki (Lux)		
Fund Custodian	UBS		
Legal Structure	Reserved Alternative Investment Fund (RAIF)		
Marketing Authorization	Authorized for Institutional investors in Luxemburg, Switzerland and EU (Specific jurisdictions to be approved on demand)		

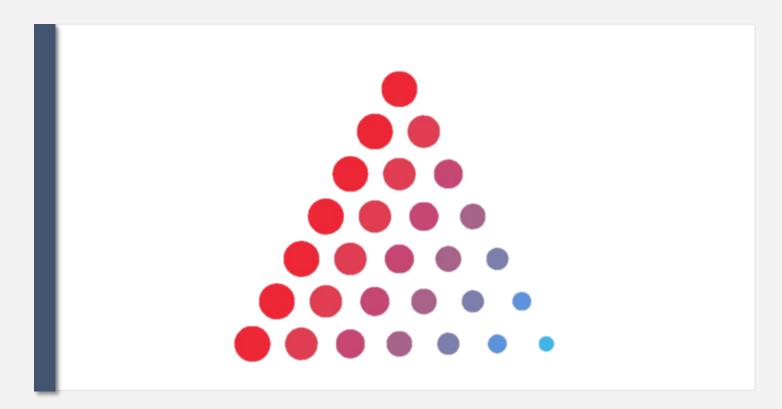


Anticipated Portfolio Company Financings

STATUS	COMPANY	DESCRIPTION	CURRENT STATUS & EXPECTED UPCOMING EVENTS	CURRENT EMPLOYEES	EARLIEST POSSIBLE EXIT	FINANCING TO DATE	PROJECTED NEXT ROUND
Invested in December 2021	AKURA MEDICAL	Thrombectomy device to efficiently remove blood clots in a single pass	► Early prototype phase	4	2023	\$27M	Q2 2023 ~25M
Invested in July 2022	ATIA VISION TRULY INSIGHTFUL	Modular accommodating IOL that is adjustable post-implant	► Clinical feasibility study Q4 2021	20	2022	\$79M	-
Pipeline	‡Enlil	Cloud-based enterprise software to automate quality documentation & business processes	Development ongoingLaunched to four customers	10 US 16 OUS	2023	\$8M	Q4 2022 ~\$10-15M
Invested in February 2022	5 Supira MEDICAL	Percutaneous heart pump for high-risk PCI & cardiogenic shock patients. Short term use, no longer than ~14 days	► FIH to start in Q2 2022	48	2022	\$81.1M	-
Invested in April 2022	Adona	Heart failure shunt with differentiated novel key feature	► Pre-clinical development phase	22	2024	\$63.4M	Q4 2023 \$40M
Pipeline	MYRA MEDICAL	Glaucoma shunt with titratable flow	► Pre-clinical development phase	8	2025	\$23.3M	Q1 2023 ~\$20-30M
Investment planned End 2022	TIOGA	tricuspia vaive replacement	▶ Pre-clinical development. phase	28	2023	\$48M	Q4 2022 ~\$30-40M

Current Portfolio Company Overview





Venous thromboembolism is the 3rd diagnosis in US, affecting 900K patients

- Pulmonary embolism is the 3rd leading cardiovascular cause of death, 100K in US annually
- Peripheral and pulmonary addressable market is \$4.0B US and 12-15% penetrated*. Expected 8.7% CAGR to 2027#.

Raised \$27M to date

R&D preclinical phase

THE OPPORTUNITY

Remove large, formed blood clots without significant blood loss or device exchanges

CLEAR VALUE PROPOSITION

Single pass procedure with a flow profile mechanical thrombectomy catheter to navigate any tortuous anatomy

Minimal blood loss and efficient aspiration. Break up the clot to remove via an 8F catheter.

Compatible with a broad range of vessel diameters and mixed clot morphology

^{*} Hopkins B, et al. *Inari Medical: Competition: what's coming & how much does it matter?* BofA Global Research 02 June 2021.

[#] https://www.gminsights.com/industry-analysis/venous-thromboembolism-treatment-market





Global intraocular lens market: \$9.8B

 Cataracts are the leading cause of blindness globally, affecting 94M people worldwide²

 Potential to expand into larger presbyopia market

STATUS

Raised \$37M to date

 Implementing clinical learnings to next generation device

THE OPPORTUNITY

Fast follower to 1st generation accommodating IOL for cataract patients, the largest segment of the ophthalmology market¹

CLEAR VALUE PROPOSITION

Aiming for a No-Compromise Treatment with a dual lens that addresses the needs of each patient and allows for future refractive corrections

Seeking the Precision of True Accommodation with an accommodating base that uses the ciliary muscles, stimulating the natural mechanism of the eye

Maintaining Clinical Workflow with clinician control throughout a familiar conventional cataract procedure

FUNDED BY

The Capital Partnership (TCP), Medvance Incubator Partners, Cormorant Healthcare Fund





- \$6B US market, currently a single player with ~11% penetration¹
- 120K HRPCI procedures annually, driven by an aging population²
- 100K CS cases annually, with 50% mortality with current treatment options^{1,3}

STATUS

- Raised \$51.1M to date
- FIH 2020

THE OPPORTUNITY

Fast follower to 1st generation high-flow percutaneous ventricular assist devices (pVAD) for high-risk percutaneous coronary intervention (HRPCI) and cardiogenic shock (CS)

CLEAR VALUE PROPOSITION

High-flow pVAD enabling maximum flow rate on a low profile catheter, minimizing vascular complications

Real-time and Accurate Monitoring of pump performance and location

Robust Platform that addresses HRPCI and CS indications

FUNDED BY

The Capital Partnership (TCP), Cormorant Asset Management



²Nkomo et al, Lancet 2006 & Sturge et al, J Thoracic Cardiovasc Surg 2006



Mitral regurgitation (MR) is the largest segment of the US Structural Heart market, 4.6M patients¹

- 1.7M in the US have MR severe enough for treatment²
- \$51B market opportunity in the US alone

STATUS

- Raised \$17.6M to date
- IP Generation, design iteration and preclinical work

THE OPPORTUNITY

Redefining valve replacement by dramatically simplifying and improving the safety and efficacy of transcatheter mitral and tricuspid valve replacement procedures

CLEAR VALUE PROPOSITION

Truly Trans Septal, simple system, <24F with an integrated anchoring mechanism that leverages mitral valve leaflets and chordae

Single-Step Procedure with the dock and anchoring mechanism deployed rotationally with internal replacement valve, more closely approximating TAVR

Self Expanding Valve adapting to the complex and highly variable anatomy of the native mitral valve, accommodating a wide patient population (28-29mm), with no/minimal left ventricular outflow tract (LVOT) obstruction

FUNDED BY

The Capital Partnership (TCP), Cormorant Healthcare Fund, AMED Ventures, Shangbay

Capital

1 Leon, M, "What is Structural Heart Intervention Today?", PCR London Valves 2017





- 6.5M HF patients in the US; expected to exceed 8M by 2030¹
- Each year 1M–1.5M US HF patients are hospitalized or poorly managed with pharmaceutical approaches²
- Each year 300k–500k US HF patients expected eligible for implant
- Annual US TAM >\$3B

TATUS

- Closed on Series A Financing \$22M
- IP generation and design iteration

THE OPPORTUNITY

An improved shunt implant that will greatly enhance the ability to manage patients, and is well-positioned for a fast-follower opportunity

CLEAR VALUE PROPOSITION

Adaptable to individual patient physiology

Integrated sensor technology gives physicians the monitoring tools they need to track patient status longitudinally and customize treatments, ultimately improving clinical outcomes and preventing hospitalization

¹Benjamin et al, *Circulation 2018* ²Jackson et al, *Circ Heart Fail 2018*





4M patients in the US have glaucoma, forecasted to grow to 7M by 2050¹

- For patients with moderate to advanced glaucoma, there is a unmet need for a safer, more effective therapy
- MIGS worldwide revenues expected to increase from \$343M in 2019 to \$1.2B in 2024²

TATUS

MARKET

- Raised \$3.2M in Seed Round Financing with a Select group of Angel Investors
- Strong IP position

THE OPPORTUNITY

Proprietary Titratable High Flow minimally invasive glaucoma surgery (MIGS) platform poised to transform and expand the role of MIGS in the management of moderate to advanced stage glaucoma patients

CLEAR VALUE PROPOSITION

Enhanced Safety & Efficacy Profile by offering patients the level of IOP reduction required for managing moderate to advanced glaucoma, without the risk of hypotony

• Current MIGS devices rely on passive flow and therefore need to balance delivering enough flow to achieve the desired IOP reduction with having too much flow and resultant risk of hypotony

Unprecedented Control When it Matters Most with the ability to selectively titrate outflow (up or down) for optimal safety and efficacy

• With the Myra's Titratable High Flow approach, physicians control the rate of outflow, enabling them to intentionally start low to reduce the risk of hypotony and then titrate up as needed to reach the patient's target IOP

Custom-Built Enterprise Software



Automates & combines required processes into one seamless cloud-based platform

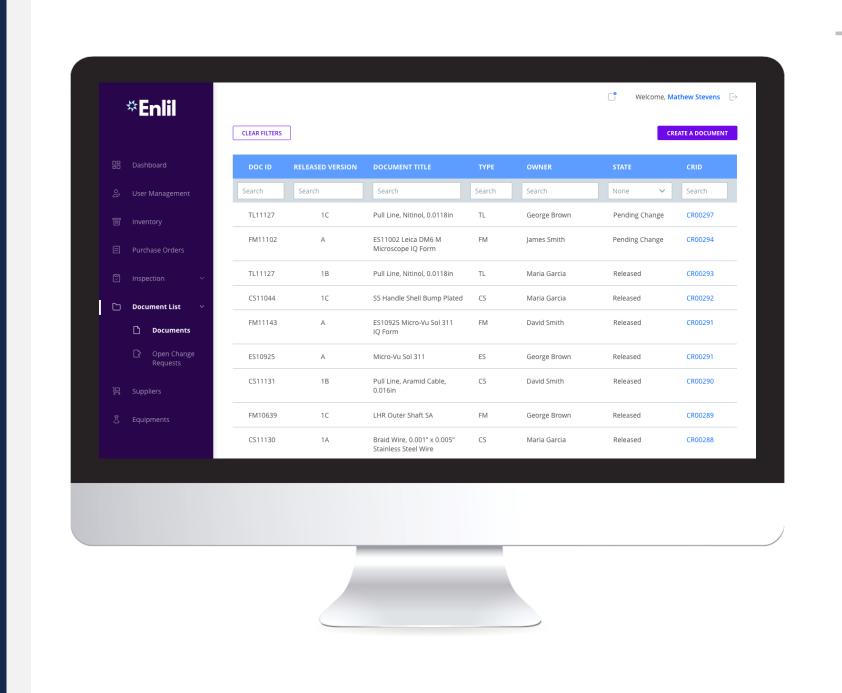
Backbone of our portfolio companies

Developed based on over a decade of refining processes to maximize value creation

Increases product development efficiency and productivity

Reduces compliance and audit risk

Streamlines R&D, manufacturing & quality systems



- MULTIPLE MODULES -

- Document control
- Material control & purchasing
- Quality control
- Manufacturing
- Standards tracing
- Employee training
- Equipment calibration & maintenance control

Enlil also includes electronic LHRs, authorization & authentication, electronic lab notebook, and task tracking

Access to Shifamed Medical Technology Hub



SHIFAMED

Innovation + Execution

Medical technology innovation hub located in a state-of-the-art campus in the heart of the Silicon Valley and building next generation medical products that improve clinical standards and impact patients lives

25 years of experience

PA MEDTECH VC FUND

Venture Capital Fund that provides access to the Shifamed portfolio companies



MEDTECH FUND





INVESTORS

Opportunity to invest in the best MedTech start-ups

Impressive track-record of 6/6 successful exits to strategic partners

4.7X

<5Y

Average return

Average time to exit



Contact



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Partner and Portfolio Manager
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Annex





Hendrik Tevaearai Stahel

Professor in Cardiovascular Surgery

Hendrik is a professor in cardiovascular surgery with a past 18 years of clinical practice in 3 major hospitals in Switzerland. He studied Medicine in Lausanne, Switzerland and completed his academic training by a 2 years stay at the Swiss Institute for Cancer Research and an additional 2 years at the Duke University in North Carolina, USA. His expertise in cardiovascular R&D is confirmed by more than 200 scientific publications in several domains including, cell and molecular therapy, cardiovascular engineering and clinical research. As former head of a 25 members team of cardiovascular researchers at the University Hospital in Berne, Switzerland, he trained several students and directed multiple thesis. After completing an executive MBA in 2006 he created and directed, until 2020, a first start-up pharma company, focusing on a new cardiac drug that is currently in a phase 3 clinical trial. Hendrik is now an independent consultant for medical and medtech companies, especially in the cardiovascular field, which are looking for specific competences in all aspects related to translational development, including R&D, IP, strategical and structural development and regulatory.



Olivier Blandin

Engineer Head of Department in Medical Device Company

Olivier is an engineer with 20 plus years of experience in healthcare (10 years in manufacturing and 10 years in business). Rich of an international experience (Europe, US, India, LATAM), he studied micromechanics and robotics at the EPFL in Switzerland and Biomechanics in Paris. He spent 10 years in the manufacturing and industrialization of active medical devices (pacemakers, defibrillators, neurostimulators...) at Medtronic, where he developed and implemented the first Lean line in 2000 before this became an industry standard in healthcare. He also designed the assembly (case, battery, electronic board) of the pacemaker with the highest production volume at that time. After completing his MBA (IAE-LBS) in 2009, he specialized in helping healthcare companies (NayaMed; Quotient) in setting-up their operations from scratch i.e. from the concept to their actual implementation. He has a long experience in business model engineering that helps him migrate from the original idea to business models, processes and solutions that account for the needs and specificities of the various markets.



Christophe Constantin

MedTech Commercial Leader

Christophe is a MedTech commercial leader whose experience spans across marketing, strategic account management, commercial operations, country general management and strategic capabilities. His progressive career has been based upon a platform of over 25 years' working within leading global organisations such as Johnson, Medtronic and Stryker. He recently created Toxeos whose mission is to help MedTech companies unlock their full market potential through data driven insights and commercial model innovation. Toxeos has developed proprietary data science methodologies to source, extract, combine and visualize disconnected healthcare data to power rich profiles of physicians and hospitals across Europe and the US; providing clients with a laser focused understanding of where their growth opportunities are. Christophe studied in France, the UK and Italy where he holds an MBA from SDA Bocconi.



Peter Pilavachi

GP and Portfolio Manager

Pete is a General Partner (GP) of the fund and Portfolio Manager. He is a member of the Investment Committee and in addition is responsible for the relationship with investors. Mr. Pilavachi has 22 years of investment-industry experience. He was previously in the investment team of a large hedge fund franchise at Allianz Global investors for more than 4 years. Prior to that he had an 18 years career in investment banking at UBS, JPMorgan and Goldman Sachs. There he held several senior roles in the strategic equity solutions group for corporate and family offices at UBS, head of derivatives sales for Switzerland at JPMorgan and as an equity derivative trader at GS respectively. Mr. Pilavachi has a B.S. in economics and management, and a master's degree in finance from the University of Lausanne, Switzerland.



Dr. David-Michael Lincke

Head of Asset and Portfolio Management, Picard Angst AG

David, CFA, FRM, is the head of asset and portfolio management at Picard Angst AG with more than twenty years of investment management experience. The asset management division of Picard Angst is an institutional investment boutique headquartered in Pfäffikon SZ, Switzerland, and specializing in multi-asset, commodities and systematic investment strategies. Prior to joining Picard Angst Group, he worked as a consultant and portfolio manager and was engaged in various proprietary trading roles focusing on quantitative equity strategies and statistical arbitrage. He is a CFA and FRM charter holder and has earned a Ph.D. in economics from the University of St. Gallen, Switzerland.