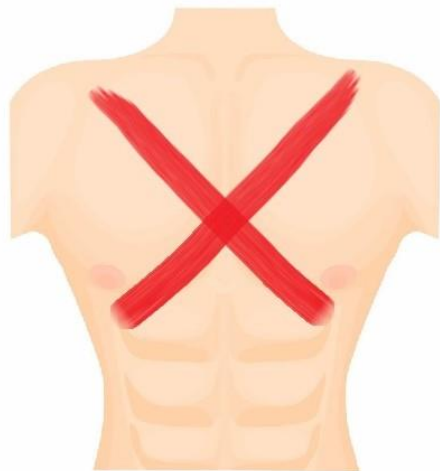# ThorX

Detection of Thorax disease pattern from Chest X-Ray Images

604 Bartholomew Rd, Piscataway, NJ 08854

https://thorxnet.wixsite.com/thorx

sales@thorxnet.com

"The ThorX marks the spot"

Problem

➢ **Chest X-Ray diagnosis procedure is time consuming, and complicated**

➢ **Requires knowledge and information from multiple sources**

➢ **Expensive since it requires a radiologist**

Our Solution

A consistent, automated technique with curated information that can:

Identify 4 different types of disease patterns and provide immediate diagnosis

Classify with an average precision of 70%

Benefit patients/doctors in developing countries

Business Model

Underlying Magic

AI powered technology (CNN based)is scalable and capable of identifying new disease patterns

Automates the process of review and scanning X-ray images, alleviates the efforts of radiologists
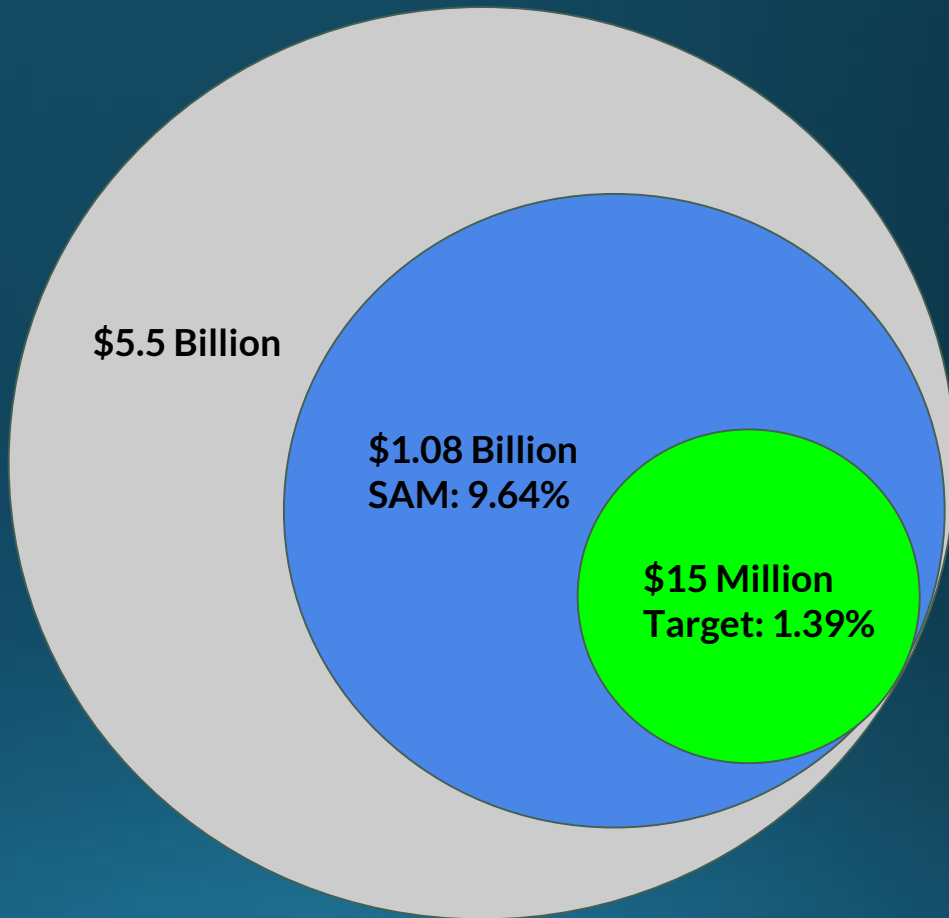
Market Plan

TAM: All of the Hospitals in the World (16,500)

SAM: Hospitals in the US (6,000)

Target Market: Remote Hospitals in US (1,000)

CAGR ≈ 7%

$5.5 Billion

$1.08 Billion
SAM: 9.64%

$15 Million
Target: 1.39%

Competitive Analysis

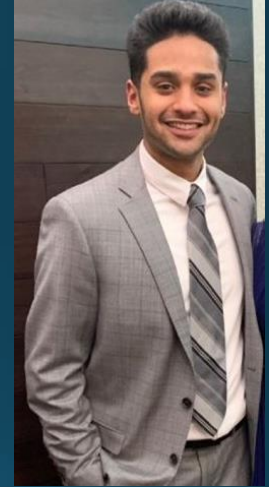|	Detect 4+ diseases	Enterprise edition	FDA Approved	Scalability of diseases
CheXNet	✔			
Qure qXR v2.0	✔	✔		
ClearRead	✔	✔	✔	
ThorX	✔	✔	✔	✔

Management Team

Prajwal Krishnamurthy
CFO
MBS Analytics
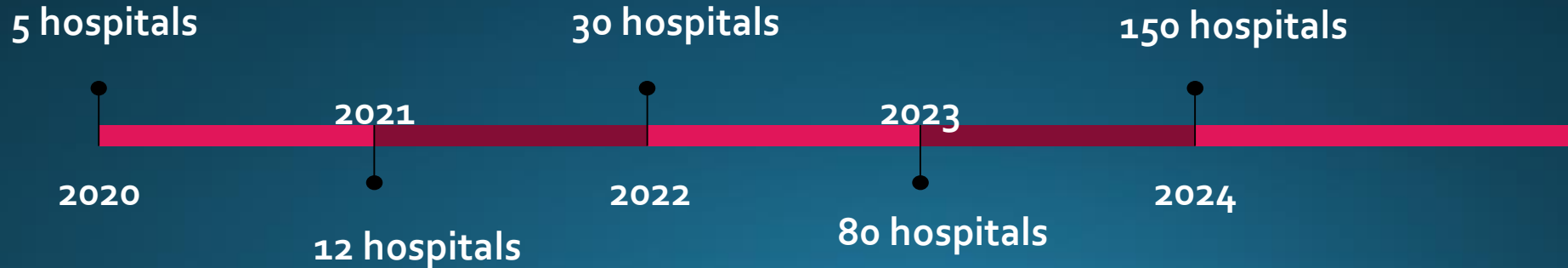
Ram Narayan
CTO
MBS Analytics

Aparna Narayanan
CEO
MBS Analytics

Vraj Patel
CMO
MBS Analytics

Financial Projections

➢ **Initial investment: $710,000**
➢ **Share: 9%**
➢ **ROI: 6.93**
➢ **Revenue per hospital: $100,000**
➢ **Total # of X-ray facilities in the US ~5300**

5 hospitals   30 hospitals   150 hospitals

                    2021   2023

2020   2022   2024

          12 hospitals   80 hospitals

Project Timeline

03	04	05	06
W1 W2 W3 W4	W1 W2 W3 W4	W1 W2 W3 W4	W1 W2 W3 W4

Market Research

Defining the scope of the software

Secure Funding - Venture Capitalist

Software Testing

Software Deployment and maintenance
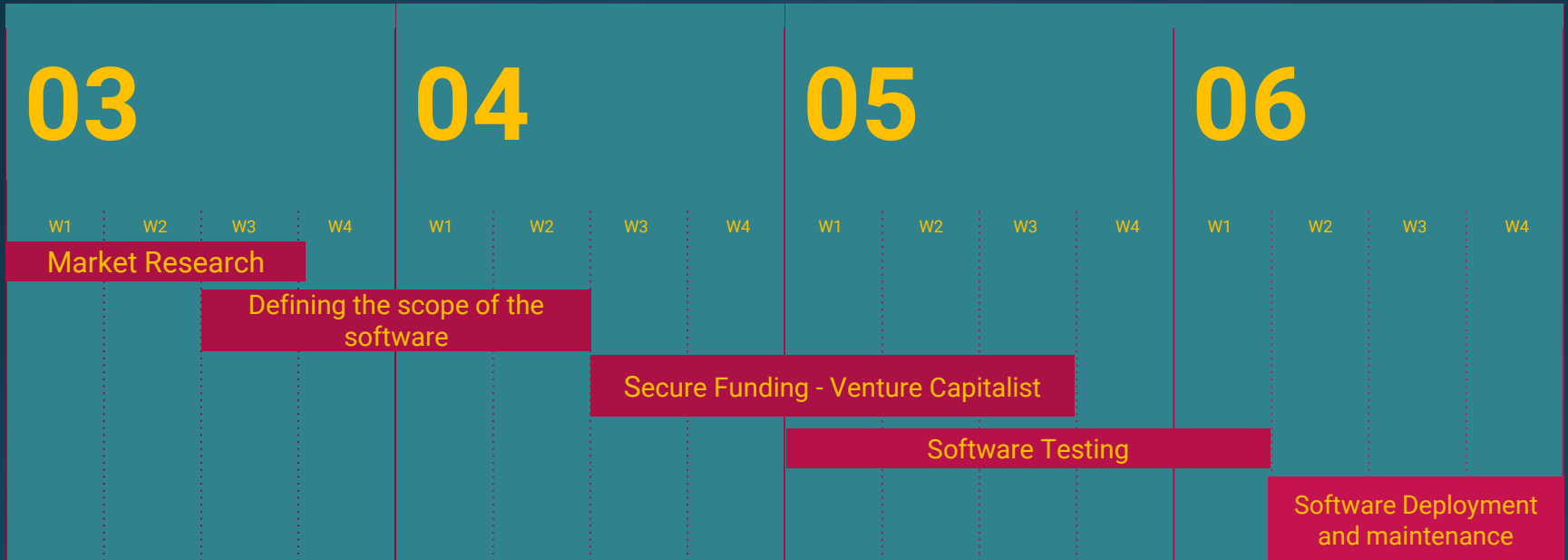
Summary/ Call to Action

Investment
$710,000

→

Revenue in 5 years
$18,000,000

Try your first scan for free!!

Financial Projections

	Year 1	Year 2	Year 3	Year 4	Year 5

10000000
8000000
6000000
4000000
2000000
0

■ Series 1   — Series 2

FUTURE ENHANCEMENTS

- Identify additional disease patterns
- Improve predictions by including genetic, age and behavioral factors.

APPENDIX

Website

THORX

DIAGNOSE CLEARLY

=====================

DECIDE WITH CONFIDENCE

Thorx is a world-class AI solution to provide an accurate diagnosis from X-ray images of chest diseases by using deep learning methods. We are based in New Jersey — and we've been helping hospitals since 2020. We offer consistent, automated techniques containing curated information to predict chest diseases with high accuracy. At Thorx, your health is our number one priority, and we make sure to meet all your needs in a timely manner.

Crowdsourcing Ad

Pop Up Venue

Press Release

April 20, 2020

ThorX Inc.

New Jersey, April 20, 2020 – ThorX announced today that the start of their product development will begin on April 20, 2020. ThorX is proud to be promoting artificial intelligence in the healthcare industry to increase patient care. We ask everyone to keep an open mind to the technological advancements being made in the medical field. The research and development is solely for the betterment of the general public.

Even with the news from the World Health Organization of the recent pandemic, COVID-19, the development for this product is still underway and on schedule to be available for late May. The development team at ThorX is working very hard to bring the product to market at its earliest convenience to aid in the help against detecting the virus.

ThorX Inc. is a medical software company specializing in image detection of chest x-rays to determine diseases or other anomalies. Our main customers are radiologists, medical surgeons, or any physician specifically trained to supervise and interpret X-ray images. With our over the air updates, we are constantly improving the software to help detect newer diseases such as Pneumonia caused by COVID-19. This helps customers interpret the X-rays much faster and efficiently.

ThorX will also partner with NYU for their Annual Head to Toe Imaging Conference. Additionally, ThorX will host a separate event at the White Box Showroom in Chelsea promoting their product with a demo and guest speaker by Dr. Pho. Everyone attending the Imaging Conference is encouraged to come.

SAVE THE DATE!

NYU's 39th Annual Head to Toe Imaging Conference

December 14-18, 2020
New York Hilton Midtown

MONDAY, DEC 14: Breast Imaging & PET Imaging

TUESDAY, DEC 15: Abdominal Imaging & Interventional Radiology

WEDNESDAY, DEC 16: Thoracic Imaging & Cardiac Imaging

THURSDAY, DEC 17: Neuroradiology & Pediatric Imaging

FRIDAY, DEC 18: Musculoskeletal Imaging & Emergency Imaging

White Box Showroom

Image Detection Demo

Influencer Dr. Pho Guest Speaker!

December 13, 2020 in Chelsea, NY

**Invite all the hospitals in NJ & NY.

Companies Acquisition

Vertical Acquisition:

#1471 Virtual Medical Imaging Company
US

$1,200,000
Cash Flow: $134,909

Established Base of Recurring Clients! Overview Trusted teleradiology...

Horizontal Acquisition:

Leading Respiratory Durable Medical Equipment Distributor For Sale
Differentiated from its competition through its high quality service
Kenosha County, WI

$1,519,000
EBIT: $165,000

Durable Medical Equipment Distributor and Oxygen Manufacturer with longstanding regional market leadership. The business enjoys a diversified customer base with over 5,000 active accounts. In operation since 1996, the Company has built substantial goodwill by providing quality products and excellent...

Corporate Social Responsibility

- ➢ A global organization supporting health care and research to people at high risk.

- ➢ Operates in many third world countries like Africa, Afghanistan, Japan

- ➢ Provide international outreach for our product.

https://www.pledgeling.com/organizations/95-3949646/international-medical-corps

Contract vendors

Rapidsoft Systems, Inc.- Provider of software, product development and IT consulting services. Software types include healthcare, design, educational, networking and training. (Selected after review)

Smartsourcing Global- Technology services company serving the financial, insurance, education, pharmaceutical, communications, media and government industries.

Twintron Data Systems, Inc.- Information technology and management consulting services. Services include website design and development, software development and database management, computer network design, implement and deployment services.

Request for Proposal
ThorX Inc.

Submission Deadline: May 20, 2020
Question Submission Deadline: May 1, 2020

Introduction: ThorX invites and welcomes proposals for their Server Integration and Network Assessment Project. Based on your previous work experience, your firm has been selected to receive this RFP and is invited to submit a proposal. Please take the time to carefully read and become familiar with the proposal requirements. All proposals submitted for consideration must be received by the time as specified above.

Project and Location: The bid proposal is being requested for Server Integration and Network Assessment, which is located at 604 Bartholomew Rd, Piscataway NJ 08854.

Project Objective: The objective includes:
- Developing a server integration with our servers
- Improve our network security
- Optimize our mobile application performance

Project Scope and Specifications: The Scope and Specifications for this Project are attached separately.

Scheduled Timeline: We want to start the project in the beginning of June so therefore we hope our project objective is achieved by then. In case of a delay, we shall be subject to change when deemed necessary by management.

Project Proposal Expectations: ThorX shall award the contract to the proposal that best accommodates the various project requirements. ThorX reserves the right to award any contract prior to the receipt of all proposals, award the contract to more than one bidder, and refuse and proposal or contract without obligation to either ThorX or any bidder offering or submitting a proposal.

Deadline to Submit Proposal: All proposals must be received by ThorX no later than 6:00 PM on May 20, 2020 to be eligible for consideration in the project proposal selection process.

Proposal Selection Criteria: Only those proposals received by the sated deadline will be considered. All proposals submitted by the deadline will be reviewed and evaluated based upon information provided in the submitted proposal. The consideration will also be given to cost and performance projections. The following criteria will also be given

- Proposals received by the stipulated deadline must be in the correct format.
- Bidder's alleged performance effectiveness of their proposal's solution regarding the project objective of ThorX.
- Bidder's performance history and alleged ability to timely deliver proposed services.
- Bidder's ability to provide and deliver qualified personnel having the knowledge and skills required to effectively and efficiently execute proposed services.
- Overall cost effectiveness of the proposal.

Proposal Submission Format: The bidder should include the bidder name, bidder address, bidder contact information, and the legal form of the bidder.

Pro Forma Profit and Loss

	2020	2021	2022	2023	2024
Revenue through product	$500,000	$1,200,000	$3,000,000	$8,000,000	$15,000,000
Revenue through acquisitions		$1,519,000	$2,853,130	$2,853,130	$2,853,130
Cost of Revenue					
Cost of Goods Sold	$0	$0	$0	$0	$0
Cloud/Server Costs	$10,000	$17,000	$27,000	$40,000	$85,000
Customer Support	$15,000	$36,000	$90,000	$240,000	$450,000
Gross Profit	$475,000	$2,666,000	$5,736,130	$10,573,130	$17,318,130
Acquisitions	$0	$159,870	$362,372	$362,372	$362,371
Expenses					
Salaries and Wages	$910,000	$1,400,000	$1,700,000	$2,500,000	$3,000,000
Advertising/Marketing	$100,000	$200,000	$250,000	$180,000	$120,000
Patents Filing	$100,000	$80,000	$60,000	$40,000	$40,000
Office Space	$75,000	$200,000	$500,000	$1,200,000	$2,500,000
Total Expenses	$1,185,000	$2,039,870	$2,872,372	$4,282,372	$6,022,371
EBIT	-$710,000	$626,130	$2,863,758	$6,290,758	$11,295,759
Taxes	$0	$0	$830,490	$1,824,320	$3,275,770
Net Profit	-$710,000	$626,130	$2,033,268	$4,466,438	$8,019,989

The Ask

- Investment = **$710,000**

- Valuation (in 5 years) = 5 * $11,295,759 = **$56,478,795**

- Our pre-money valuation = 0.1317 * $56,478,795 = **$7,437,537**

- Our post-money valuation = $7,437,537 + $710,000 = **$8,147,537**

- Equity = $710,000 / $8,147,537 * 100% = **9%**

- The ASK is for $710,000 for 9% of our company

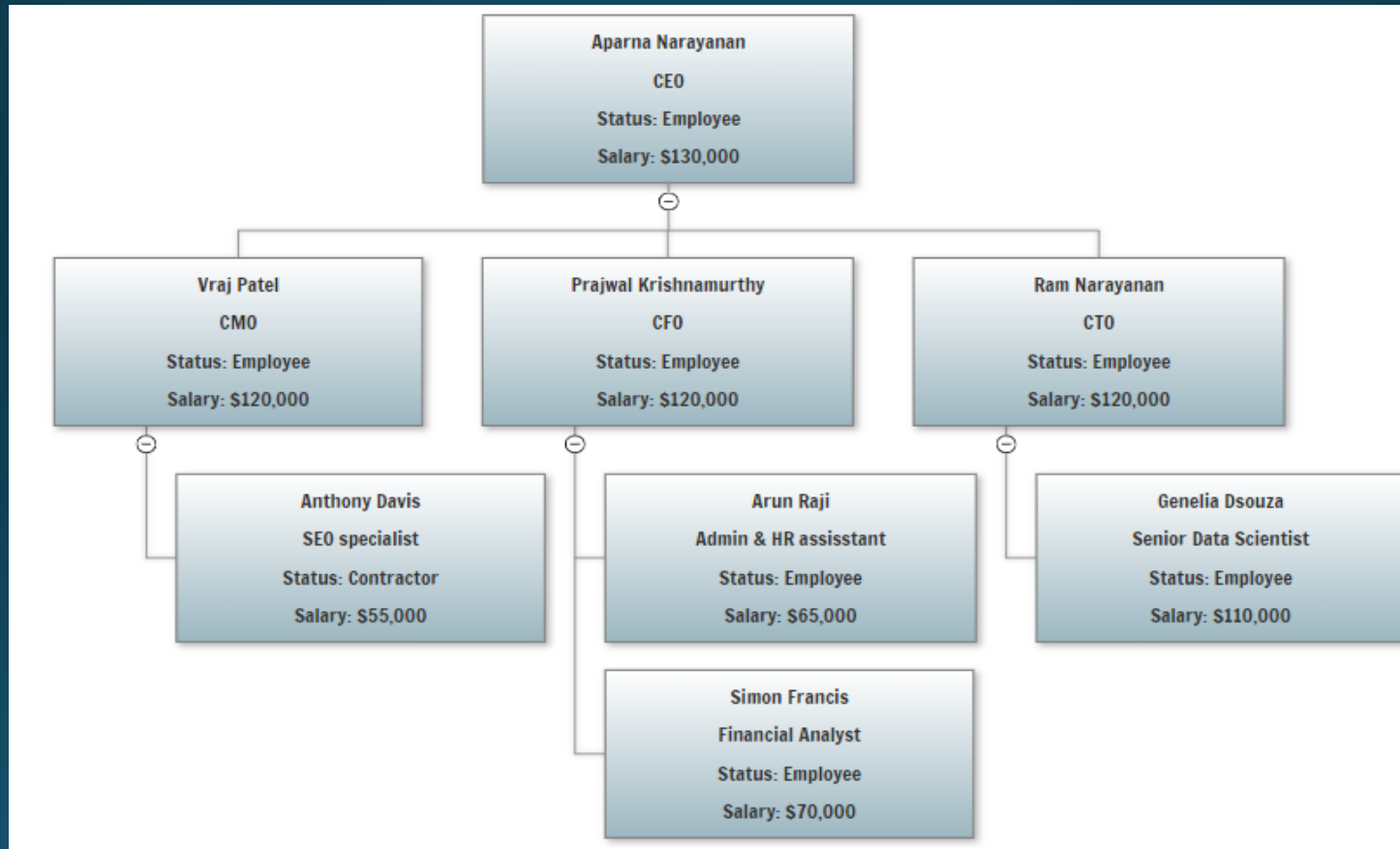- ROI = (9% * $56,478,795)/$710,000 = **6.93**

Ad on BizBuySell

Leader of Image Detection of X–Rays in the Thoracic Cavity
ThorX, Inc. Piscataway, NJ

Selling price	:	$56,478,795
Gross Revenue	:	$17,318,130
EBITDA	:	$11,295,759
Established	:	May, 2020

Business Description:

ThorX Inc. is a medical software company specializing in image detection of chest x-rays using patented techniques to determine diseases or other anomalies. Our main customers are radiologists, medical surgeons, or any physician specifically trained to supervise and interpret X-ray images. With out over the air updates, we are constantly improving the software to help detect newer diseases such as Pneumonia caused by COVID19. This helps customers interpret the X-rays much faster and efficiently.

Organizational Chart

References

- https://keras.io/preprocessing/image/

- https://keras.io/layers/convolutional/

- https://nihcc.app.box.com/v/ChestXray-NIHCC

- https://keras.io/preprocessing/image/
- https://keras.io/layers/convolutional/
- https://nihcc.app.box.com/v/ChestXray-NIHCC

Demo