UNITED STATES SECURITIES AND EXCHANGE COMMISSION WASHINGTON, D.C. 20549

FORM 6-K/A

REPORT OF FOREIGN PRIVATE ISSUER PURSUANT TO RULE 13a-16 OR 15d-16 UNDER THE SECURITIES EXCHANGE ACT OF 1934

For the month of September, 2020

Commission File Number: 001-39461

NANO-X IMAGING LTD

Communications Center Neve Ilan, Israel 9085000 (Address of principal executive office)

Indicate by check mark whether the registrant files or will file annual reports under cover of Form 20-F or Form 40-F.

Form 20-F \boxtimes Form 40-F \square

Indicate by check mark if the registrant is submitting the Form 6-K in paper as permitted by Regulation S-T Rule 101(b)(1):

Note: Regulation S-T Rule 101(b)(1) only permits the submission in paper of a Form 6-K if submitted solely to provide an attached annual report to security holders.

Indicate by check mark if the registrant is submitting the Form 6-K in paper as permitted by Regulation S-T Rule 101(b)(7):

Note: Regulation S-T Rule 101(b)(7) only permits the submission in paper of a Form 6-K if submitted to furnish a report or other document that the registrant foreign private issuer must furnish and make public under the laws of the jurisdiction in which the registrant is incorporated, domiciled or legally organized (the registrant's "home country"), or under the rules of the home country exchange on which the registrant's securities are traded, as long as the report or other document is not a press release, is not required to be and has not been distributed to the registrant's security holders, and, if discussing a material event, has already been the subject of a Form 6-K submission or other Commission filing on EDGAR.

EXPLANATORY NOTE

NANO-X IMAGING LTD is furnishing this Form 6-K/A in order to re-file and replace Exhibit 99.1 to the Form 6-K of NANO-X IMAGING LTD furnished to the Securities and Exchange Commission on September 22, 2020 (the "Original Form 6-K"). This Form 6-K/A is being furnished solely to correct a typographical error in the number of contracted Nanox.ARC systems in Exhibit 99.1 to the Original Form 6-K, and state that the number of contracted Nanox.ARC systems is 5,150. All other information included in the Original Form 6-K remains unchanged. The corrected Exhibit 99.1 is submitted with this Form 6-K/A as Exhibit 99.1.

EXHIBIT INDEX

Exhibit No.	Exhibit
<u>99.1</u>	NANO-X IMAGING LTD's presentation.

SIGNATURES

Pursuant to the requirements of the Securities Exchange Act of 1934, the registrant has duly caused this report to be signed on its behalf by the undersigned, thereunto duly authorized.

NANO-X IMAGING, INC.

By: /s/ Tal Shank Name: Tal Shank Title: Vice President of Corporate Development

Date: September 22, 2020



Disclaimers

Nothing contained in this presentation is, or should be construed as, a recommendation, promise or representation by the presenter or the Company or any director, employee, agent, or adviser of the Company. This presentation does not purport to be all inclusive or to contain all of the information about the Company. This presentation shall not constitute an offer to sell or the solicitation of an offer to buy the Company's securities, nor shall there be any sale of the Company's securities in any state or jurisdiction in which such offer, solicitation or sale would be unlawful prior to registration or qualification under the securities laws of any such state or jurisdiction.

Forward-Looking Information Statement

Statements contained in this presentation concerning expectations, beliefs, plans, objectives, goals, strategies, future events or performance and underlying assumptions and other statements that are other than statements of historical fact are "forwardlooking statements." These statements often include words such as "believe," "expect," anticipate," "intend," "plan," "estimate," target," "project," "forecast," "seek," "will," "may," "should," "would," "would,"" "would,"" "would," "would," "would," "would," "would,""

These risks and uncertainties are described more fully under the caption "Risk Factors" in the Company's filings with the Securities and Exchange Commission. Other risks and uncertainties of which the Company is not currently aware may also affect Company's forward-looking statements. The reader should not place undue reliance on any forward-looking statements included in this presentation. These statements speak only as of the date made and the Company is under no obligation and disavows any obligation to update or revise such statements as a result of any event, circumstances or otherwise, unless required by applicable legislation or regulation.

Market and Industry Data and Customer Information

This presentation has been prepared by Nanox and includes market data and other information from sources believed by us to be reliable. For example, industry and market data, including our own research, and surveys or industry publications and surveys as well as public information about our customers and discussion with them. Some data are also based on our good-faith estimates, which are derived from Nanox's review of internal sources as well as the other sources described above. Although Nanox believes these sources are reliable, Nanox has not independently verified the information is accurate and complete. As a result, you should be aware that market share, ranking and other similar data set forth in this presentation, and estimates and beliefs based on such data may not be reliable.

Nanox in a glance

he What	Unmet need	Game changing tech	Disruptive business model
Nanox aims to build a global infrastructure for medical imaging	Massive deficit of medical imaging systems due to high system costs	A novel digital X-Ray source replacing an analog X-Ray that has been used for over 100 years enables significant cost reduction	Executed contracts for ILLUSTRATIVE MODEL 5,150 units pending POTENTIAL ANNUSL RECURRING REVENUE ASSUMING THE 5,150 CONTRACTED UNITS ARE DEPLOYED AND OPERATIONAL Medical Screening as a \$11220000 +
Utilizing innovative, patent protected and disruptive technology, Nanox can offer medical technology that expands access, resulting in better outcomes and		A new breed of medical imaging infrastructure that can be deployed in mass due to significantly lower costs and small footprint coupled with a radiology services cloud platform	Service (MSaaS) opens a recurring revenue model that has the potential to provide substantial \$357,000,000 revenues
lower costs.	A CAL	Upcoming Milestones	Planning global mass deployment of 15,000
Until today, technology was the barrier to medical imaging availability.	1	We are targeting several near term value catalysts such as FDA approval and commercialization	systems with a Pay-per- Scan subscription model See slide 25 for full detail and assumptions
Nanox believes it has broken that barrier.	2/3 of the world population has no access to medical	Deals signed Manufacturing ramp-up FDA approved Global deployments First units shipped	
With global execution starting this year Nanox	imaging.	Q1 2021 15,000 units	Strategic Shareholders Strategic Shareholders Strategic Shareholders
invites partners to join the potentially next revolution in preventive healthcare.	Weeks and months of wait times for radiology diagnostics results.	deployed and operational 2021-2024	Exceptionally seasoned Healthcare and technolo veterans from companie like GE, Phillips, and high
			execution team

Preventive screening

OVERVIEW EARLY DETECTION THE BARRIER BREAKING THROUGH THE TECH NANOX ARC OUR PLAN BUSINESS MODEL DEPLOYMENTS NANOX CLOUD TEAM SUMMARY

Early detection is key to preventive healthcare.

Treatable conditions, such as cancer, cardiovascular failures and others are often diagnosed too late.



Early detection remains theoretical

OVERVIEW
EARLY DETECTION
THE BARRIER
BREAKING THROUGH
THE TECH
NANOX ARC
OUR PLAN
BUSINESS MODEL
DEPLOYMENTS
NANOX CLOUD
TEAM
SUMMARY

2/3 of the world's population have no access to medical imaging

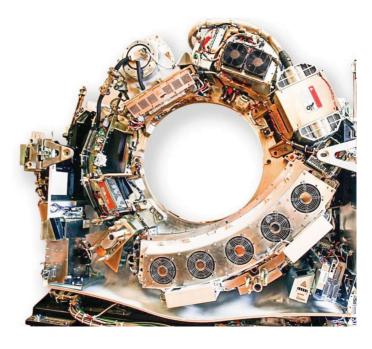
The majority of the remaining 1/3 suffer from weeks and months of wait time for access to medical scanners and diagnostic results.



why?

OVERVIEW EARLY DETECTION THE BARRIER BREAKING THROUGH THE TECH NANOX ARC OUR PLAN BUSINESS MODEL DEPLOYMENTS NANOX CLOUD TEAM SUMMARY

Medical imaging systems are too expensive and complex for mass deployment.



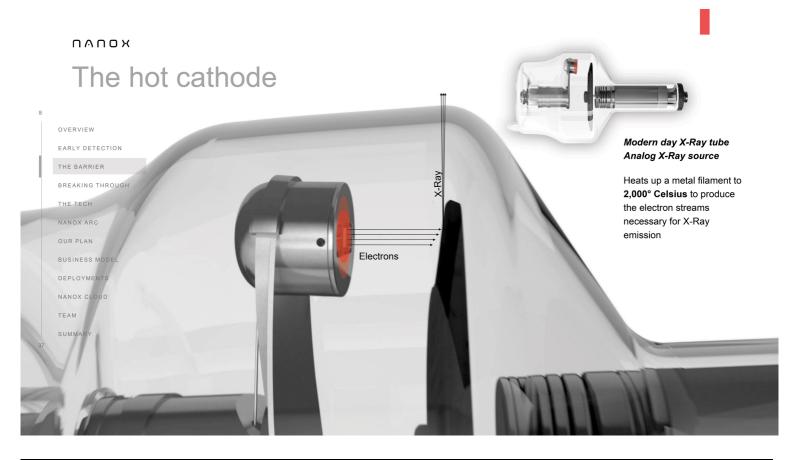
The key inhibitor

OVERVIEW EARLY DETECTION THE BARRIER BREAKING THROUGH THE TECH NANOX ARC OUR PLAN BUSINESS MODEL DEPLOYMENTS NANOX CLOUD TEAM SUMMARY

X-Ray source technology has not changed since its discovery over 120 years ago



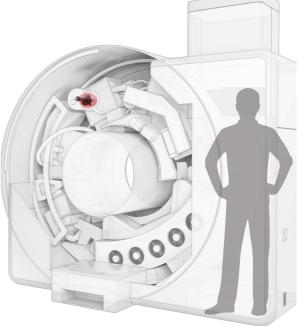
Wilhelm Conrad Röntgen



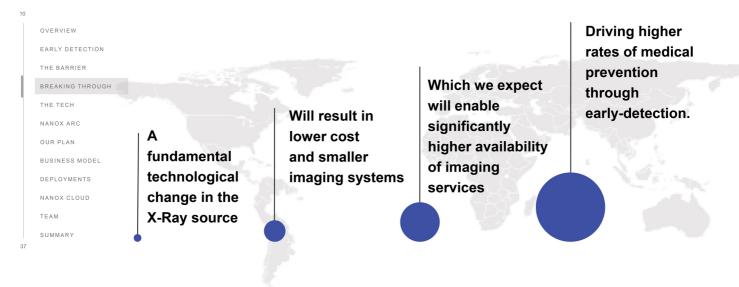
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Main contributor to high-cost of imaging systems





The Nanox paradigm



Introducing the novel Nanox X-Ray source

OVERVIEW

EARLY DETECTION

BREAKING THROUGH

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BUSINESS MODEL

TEAM

SUMMARY

Novel silicon-based, low voltage, nano-scale cold cathode

Generating the electrons streams needed for X-Ray via cold field-emission technology

X-Ray Reimagined

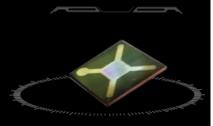
ams needed for technology

ΠΑΠΟΧ

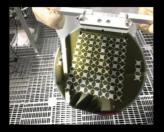
Nanox MEMs X-Ray source

OVERVIEW	Technology originally developed by Sony and its partners to achieve a higher quality image
	for screens and monitors
EARLY DETECTION	Sony invested substantial resources in the
THE BARRIER	development of this technology for over a
BREAKING THROUGH	decade
тне тесн	After acquiring the technology, our Japanese-
NANOX ARC	Israeli team invested over 8 years developing a source for the medical imaging industry
OUR PLAN	based on this technology
BUSINESS MODEL	
DEPLOYMENTS	Nanox-owned manufacturing facilities in Japan
NANOX CLOUD	
TEAM	Signed agreement with SK Telecom for collaboration on a new Korean factory to
SUMMARY	increase Nanox MEMs production capacity
	Mature and optimized proprietary technology and production process with an exceptionally high-yield
	Strong IP portfolio with patents granted in USA, Israel, Japan and pending globally





NANOX CLEAN ROOM (JAPAN)



NANOX WAFER

Tech transformation

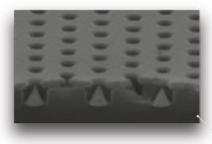
overview
EARLY DETECTION
THE BARRIER
BREAKING THROUGH
THE TECH
NANOX ARC
OUR PLAN
BUSINESS MODEL
DEPLOYMENTS
NANOX CLOUD
TEAM
SUMMARY
One metal
requiring s

13



One metal filament heated to 2,000° Celsius requiring special cooling and rotation mechanics

То



100 Million nano-cones field on a silicon chip emitting digitally controlled electron streams under low voltage







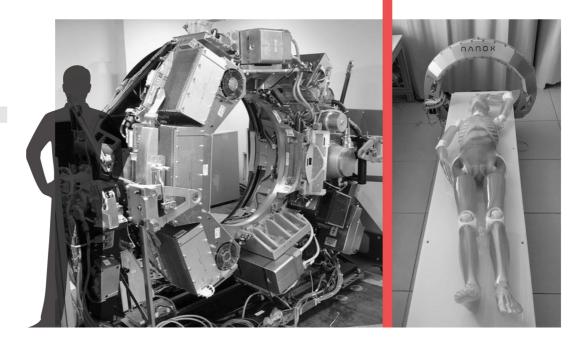
Enabling a system-level quantum leap

5			
	OVERVIEW	From	То
	EARLY DETECTION	FIUII	10
	THE BARRIER		
	BREAKING THROUGH		
	ТНЕ ТЕСН		
	NANOX ARC		
	OUR PLAN		
	BUSINESS MODEL		
	DEPLOYMENTS		
	NANOX CLOUD	A CONTRACT OF THE OWNER OWNER OF THE OWNER OF THE OWNER OF THE OWNER OWNE	
	TEAM		
	SUMMARY	Analog	Digital
7		Large and complex	Small footprint
		Costs millions of dollars	Costs tens of thousands of dollars

Footprint practicalities

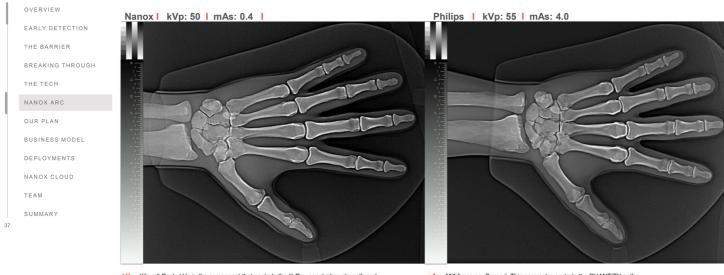
OVERVIEW EARLY DETECTION THE BARRIER BREAKING THROUGH THE TECH NANOX ARC OUR PLAN BUSINESS MODEL DEPLOYMENTS NANOX CLOUD TEAM SUMMARY

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Clinical quality imaging

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kVp - Kilovolt Peak. kVp is the component that controls the X-Ray penetration strength and subsequently QUALITY of the X-Ray beam produced. It is also what controls the CONTRAST or GRAY SCALE in the produced X-Ray film. The Higher the kVP the LOWER the CONTRAST.

mAs - MilliAmps per Second. This parameter controls the QUANTITY or the AMOUNT of X-Ray photons produced. This is also what dictates the radiation dose. The higher the mAs the higher the radiation exposure.

Clinical quality imaging

OVERVIEW EARLY DETECTION THE BARRIER BREAKING THROUGH	3D Image Reconstruction
THE TECH	
OUR PLAN	
BUSINESS MODEL	
NANOX CLOUD TEAM	
SUMMARY	

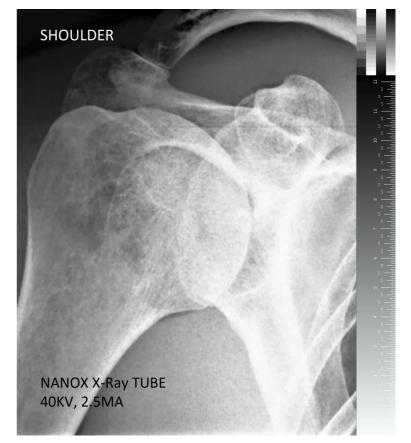












ПАПОΧ

The Nanox.ARC 3D computerized tomosynthesis

OVERVIEW EARLY DETECTION THE BARRIER BREAKING THROUGH THE TECH NANOX ARC OUR PLAN BUSINESS MODEL DEPLOYMENTS NANOX CLOUD TEAM SUMMARY A new breed of medical imaging systems at a fraction of the cost potentially revolutionizing global availability

2

OVERVIEW

EARLY DETECTION

BREAKING THROUGH

THE BARRIER

THE TECH

NANOX ARC

OUR PLAN

BUSINESS MODEL

DEPLOYMENTS

NANOX CLOUD

TEAM

SUMMARY

Regulatory clearance

FDA

- We expect to take a multi-step approach to the regulatory clearance process:
 - Submitted a 510(K) application in January 2020 relating to a single digital X-ray source version of the Nanox.ARC
 - \circ Received an additional information request in March 2020, which we responded to in September 2020
 - Plan to submit an additional 510(k) application with respect to the multiple-source Nanox.ARC which, if cleared, will be our commercial imaging system
 - We do not believe the Nanox X-ray source (the core component of the Nanox.ARC) will require a separate regulatory approval or clearance because the source is a Class 1 device, which is exempt from the 510(k) application process
- · If cleared, we plan to deploy the first Nanox.ARC in the first half of 2021

CE and ROW

ADVISORS

- CE submission and clearance expected in H1 2021
- · Majority of ROW countries accept FDA and CE as a reference for local clearance
- · Other countries will require separate submissions

🖉 Greenleaf Health

Daniel Schultz, MD, F.A.C.S.

Former Director of the Center for Devices and Radiological Health (CDRH) at FDA

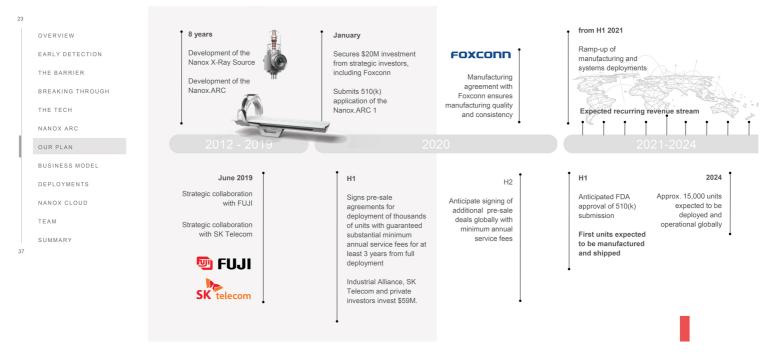


e version of the September 2020 nor.ARC which, Ill require a thich is exempt

Our plan



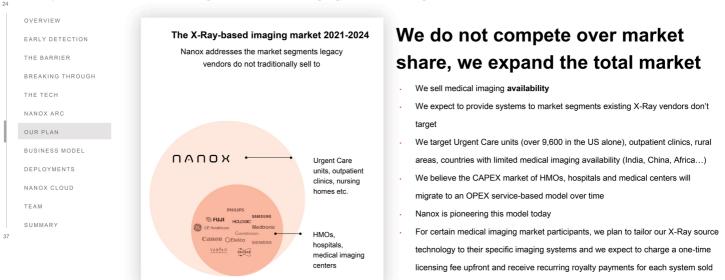
Timeline and key milestones



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Addressable market

Expansion of the \$21 Billion global medical imaging market through shift from CAPEX to MSaaS model



ПАПОЖ

Flexible business model to drive adoption

OVERVIEW	Mease	
EARLY DETECTION	MSaaS	
THE BARRIER	ILLUSTRATIVE MODEL POTENTIAL ANNUAL RECURRING REVENUE ASSUMING THE 5,150	
BREAKING THROUGH	CONTRACTED UNITS ARE DEPLOYED AND OPERATIONAL	
THE TECH	\$1,192,000,000	
NANOX ARC	\$397,000,000	
OUR PLAN	\$139,000,000	
BUSINESS MODEL	7 20 60 SCAN	S PER DAY
DEPLOYMENTS		
NANOX CLOUD	At 20 scans per day, and \$14 p revenue to NANOX and 23 days pe	r month,
TEAM	the MSaaS model potentially genera \$397 Million in recurring revenues an	
SUMMARY		
	Scans per day - LEGEND	
	 7 - Minimum scans per day per syster 	n

- 20 Nanox operational objective
- 60 Estimated current global average

Pricing model & minimum annual service

ee

- Pay-per-scan service business model
- Nanox covers CAPEX investment of systems and deployment
- \$40 total cost per scan as a global average based on current contracts
 - Nanox revenue \$14 (out of the \$40) per scan based on current

contracts

Contracting regional service providers for marketing and operation of the service

Current contracts provide a minimum annual service fee for 7 scans per day

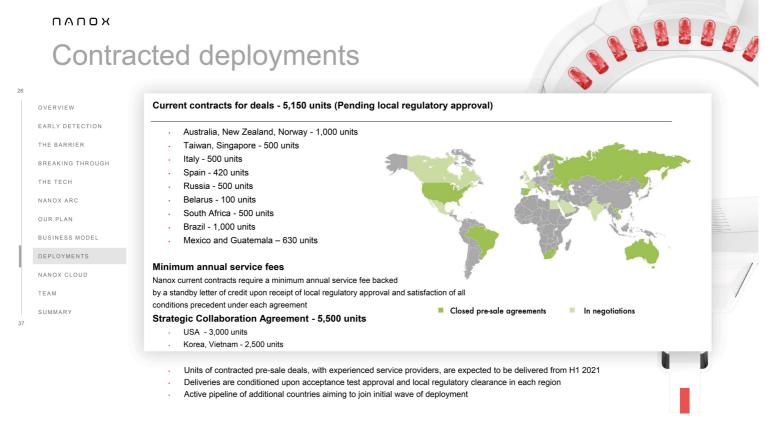
per system against regional exclusivity

- Total number of systems deployed may vary as per financing and final unit cost
- Price-per-scan will vary based on regional economics
- Minimum annual service fees will be backed by a standby letter of credit upon receipt of local regulatory approval



Contracted deployments

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Select Customer Profiles

2

	OVERVIEW		
	EARLY DETECTION	The Gateway Group	
	THE BARRIER	One of Australia's largest independent product	
	BREAKING THROUGH	distributors including health, wellness, medical	the
	THE TECH	supplies and devices	Gateway
	NANOX ARC	Provides a wide range of products to over 20,000	aroup
	OUR PLAN	locations with representation of medical device	3
	BUSINESS MODEL	companies such as BrainsWay and others	
	DEPLOYMENTS	Entered into an initial 3-year contract to deplo	v
	NANOX CLOUD	1,000 Nanox Systems, consisting of the	, ,
	TEAM	Nanox.ARC and Nanox.CLOUD, across Austra	ılia,
,	SUMMARY	New Zealand and Norway ¹	
		 Anticipated \$27 million² minimum annual serv 	ice
		fees to Nanox	niect to regulatory approval and customer acceptance

 1 Subject to regulatory approval and customer acceptance test 2 Assumes 7 scans/day x 23 days/month x at \$14 per scan x 1,000 units deployed

Select Customer Profiles

OVERVIEW EARLY DETECTION THE BARRIER BREAKING THROUGH THE TECH NANOX ARC OUR PLAN BUSINESS MODEL DEPLOYMENTS NANOX CLOUD TEAM SUMMARY

SPI Medical, S.A. de C.V. (Mexico)

- SPI Medical, S. A. de C.V. is a distributor of specialty pharma products and medical devices, operating with global leaders such as Abbott, Merck, Bayer and Eli Lilly, and medical imaging systems from Phillips, GE, Siemens, Planmed and Toshiba.
- Distributes to both the public and private sectors in Mexico and Guatemala.
- Entered into an initial 7-year MSaaS agreement to distribute 630 Nanox Systems across Mexico and Guatemala¹
- Anticipated \$17 million² minimum annual service fees to Nanox



SPI MEDICAL, S.A.P.I. DE C.V.

¹ Subject to regulatory approval and customer acceptance test ² Assumes 7 scans/day x 23 days/month x at \$14 per scan x 630 units deployed

Select Customer Profiles

OVERVIEW EARLY DETECTION THE BARRIER BREAKING THROUGH THE TECH NANOX ARC OUR PLAN BUSINESS MODEL DEPLOYMENTS NANOX CLOUD TEAM

SUMMARY

Promedica Bioelectronics s.r.l. (Italy)

- Promedica Bioelectronics s.r.l. has over 25 years of experience representing diagnostic imaging vendors such as Fujifilm, Siemens Medical Systems and GE Healthcare
- Also manages commercial strategic activities for multinational companies for the marketing of systems with MR-guided Focused Ultrasound (InSightec) and robotic systems for interventional radiology procedures (iSYS)
- Entered into an initial 4-year MSaaS agreement to distribute 500 Nanox Systems across Italy¹
- Anticipated \$13.5 million² minimum annual service fees to Nanox

P R O M E D L C A BIOELECTRONICS

 1 Subject to regulatory approval and customer acceptance test 2 Assumes 7 scans/day x 23 days/month x at \$14 per scan x 500 units deployed

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Select Customer Profiles

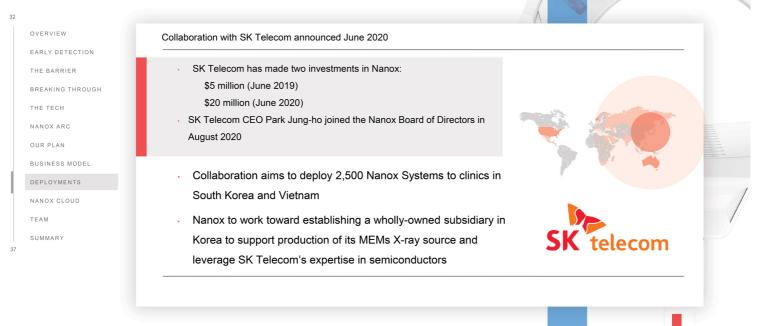
30	OVERVIEW		PR Tecnologia Salud (Spain and ortugal)
	EARLY DETECTION	1	A distributor of diagnostic imaging equipment across Spain and Portugal
	BREAKING THROUGH THE TECH NANOX ARC	•	Offers a full-service integrated approach to its customers comprising both equipment and service
	OUR PLAN BUSINESS MODEL DEPLOYMENTS	•	Expertise across broad range of OEM diagnostic equipment: CT, MRI, Radiology and Ultrasound
37	NANOX CLOUD TEAM SUMMARY	•	Entered into a 5-year MSaaS agreement for deployment of 420 Nanox Systems in Spain ¹
		•	Anticipated \$11.4 million ² minimum annual service fees to Nanox

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ch	FREMAP CONTROL OF ANTALLEM CALEBRA CAL
	PUBLIC SECTOR HEALTHCARE
	Compared Lichardshafe Command Comm
	Com Hospital Universitation del Tajo Hospital Universitatio del Tajo Hospital Universitation del Ta
	Ce logetal Universitaris Ce Indeptit Universitaris Ce Indeptit Universitaris Infanta Constant Universitaris Infanta Cristina
1	Indext and a final and a second
	Hospital Universitario Hospital Virgen de Valme Virgen Macarena virgen del facto
² Assumes 7	¹ Subject to regulatory approval and customer acceptance test scans/day x 23 days/month x at \$14 per scan x 420 units deployed



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Strategic Alliance with SK Telecom

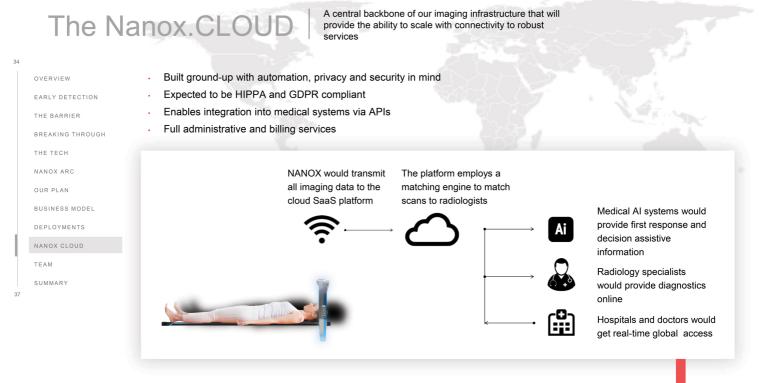


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The Nanox infrastructure management platform Increasing availability of medical imaging systems solves only half of the problem

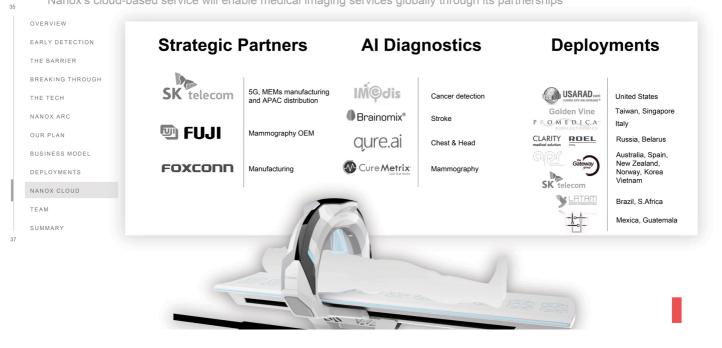
OVERVIEW EARLY DETECTION THE BARRIER BREAKING THROUGH THE TECH	 Radiology diagnostics remain a s All Nanox.ARC systems will be c 	connected to the Nanox.CLOUD	s operations and analytics
NANOX ARC OUR PLAN BUSINESS MODEL DEPLOYMENTS	Nanox.ARC	Nanox.CLOUD	Radiology and AI services
NANOX CLOUD TEAM SUMMARY			→ Here

ПУЦОХ



Global partnerships

Nanox's cloud-based service will enable medical imaging services globally through its partnerships



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The team

A strong execution team with decades of relevant experience and proven track record of large-scale global projects, medical business expertise and bringing innovation to market



SUMMARY



Ran Poliakine Founder & CEO nder of the g on gl



Hitoshi Masuya Co-Founder and Head of NANOX Japan Originally co-invested in the Nanox project with Sony, nov leading the Japan operation and a member of the board



Tal Shank SVP Corporate Development SVP Corporate Development Over 15 years of international experience in commercial law and global business development. Tal has a substantial track record with where & public companies



s spent the last 15 the medical field, on the sales of



Itzhak Maayan cro Over 25 years of financh leadership roles in multi-national public companie including Perrigo, Cisco Systems, Xitvia Technolog and Elscint.





and MSc.



Anat Kaph VP Product Mark Ex Mazor Robotics, Philips Medical, and Lumenis, Anath an extensive record with over 20 years of experience in



Dr. Amir Ben Shalom With over 250 p & pending, Amir engineer, author, renown expert in g, Amir is a scier author





Bruce Edwards VP Business Development

A serial entreprener medical and high-te eur in the ech fields

Advisory board



Professional and involved advisory board of physicians, radiologists, business veterans and global opinion leaders. The Nanox advisory board is an integral part of our think-tank for product roadmap and strategy.

Financial Snapshot

	Pro-forma cash*	Approx. \$244 mm
OVERVIEW		
EARLY DETECTION	Debt	\$0
THE BARRIER		
BREAKING THROUGH	Expected use of cash	Amount (\$mm)
THE TECH	Expected use of cash	Amount (şinin)
NANOX ARC	Manufacture of 15,000 Nanox.ARC units and investment in	\$144 - \$194
OUR PLAN	manufacturing capacities**	•••••
BUSINESS MODEL	The shipping, installation and deployment costs of the 15,000 Nanox Systems **	\$18 - \$30
DEPLOYMENTS	Continued research and development of the Nanox.ARC, the	
NANOX CLOUD	development of the Nanox.CLOUD and for regulatory clearance in	\$5 - \$9
TEAM	various regions	
SUMMARY	The remaining funds, if any, to be used for research and development experiment expenses, general and administrative expenses and general corr	

* Cash and cash equivalents as of June 30, pro-forma for subsequent cross-over funding net proceeds, net IPO proceeds, including full exercise of the 15% underwriters' overallotment option

** To the extent the cost-per-unit of the Nanox.ARC is higher than we expected, we plan to reduce the number of units to be manufactured accordingly.

Key investment highlights

Nanox is a global company OVERVIEW building a disruptive medical EARLY DETECTION imaging infrastructure for early THE BARRIER detection preventive healthcare BREAKING THROUGH THE TECH NANOX ARC OUR PLAN BUSINESS MODEL DEPLOYMENTS NANOX CLOUD TEAM SUMMARY

We are well positioned to serve an untapped market representing a significant part of the world's population

- Revolutionary model to transform and grow the already large medical imaging market
- Unique patented technology innovation
- We expect our technology and imaging as a service model will allow us to sell systems into markets and sites that do not have imaging systems and where our traditional imaging competitors cannot play
- Transformative business model disrupts by no longer focusing on high cost capital equipment, but instead, into a recurring revenue service model with software-like gross margins
- Business model allows company to focus on a handful of key deployment partners like radiology groups in the US vs thousands of hospitals and imaging centers, with a small focused clinical support team
- Anticipated 510(k) regulatory path for the Nanox.ARC in US and well-known ROW regulatory paths
- No reimbursement hurdles expected and stable codes familiar to all physicians
- Significant positive economic impact on radiology groups and individual practices
- Nanox has a first mover advantage
- · Developed a novel digital X-Ray source
- Global strategic partnerships with industry leaders
- Exceptional execution team

A strong business model with contracts for 5,150 units that include a minimum annual service fee backed by a standby letter of credit upon receipt of regulatory approval



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Thank you

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Presenters



Lydia Edwards President Nanox USA



Founder & CEO

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IU Kim President SK Telecom HK Office

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