

### Company presentation

Fredrik Palm, CEO June 12, 2020

@ Sparebank 1 Markets Webinar

ContextVision – a medical technology software company specializing in image analysis and artificial intelligence, for image-based applications.

### **BUSINESS AREAS**



Medical Imaging
Globally established market leaders



**Digital Pathology**Soon to enter the market, huge potential





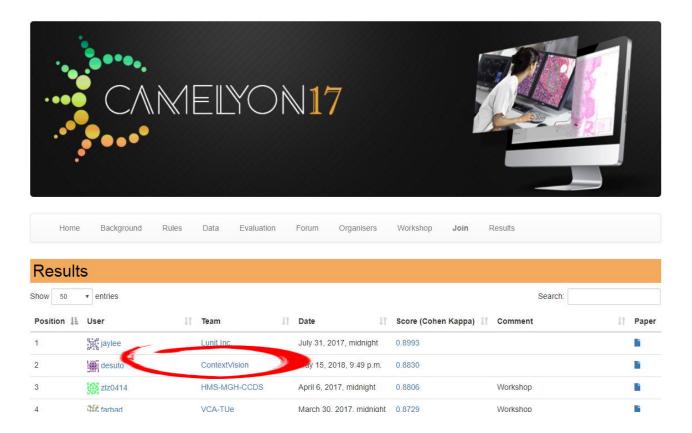
### ContextVision – brief facts

- ~50 employees (50% within R&D)
- World-leading product development based on machine learning
- Over 35 years' experience within image processing and image analysis for medical applications
- Over 300,000 system installations: worldwide



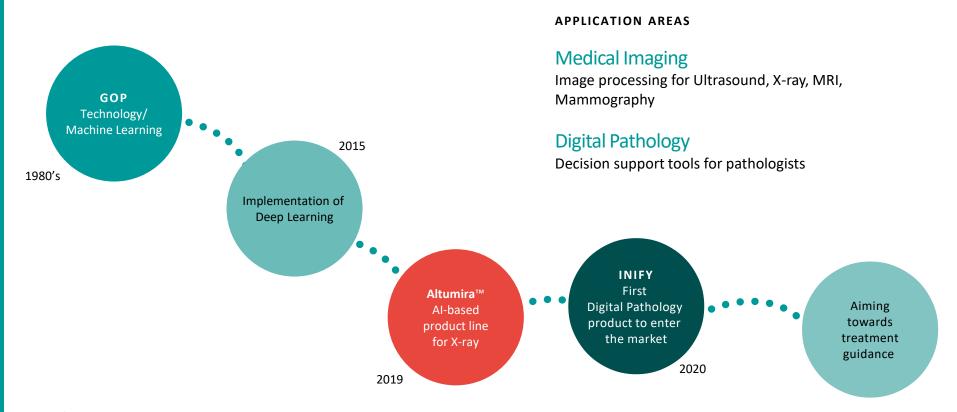


### We know what we do...



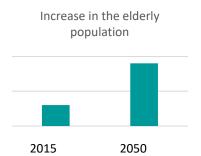


### We apply technology with focus on application

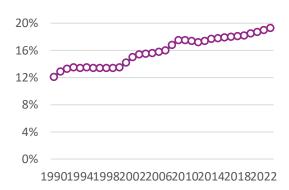




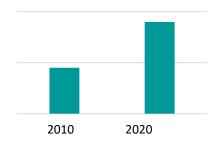
## Healthcare challenges



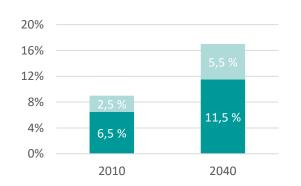
### Healthcare cost US, share of GDP



### Increased incidence of cancer



### Healthcare cost EU, share of GDP





### Source:

https://www.nia.nih.gov/research/public ation/global-health-and-aging/assessing-costs-aging-and-health-care

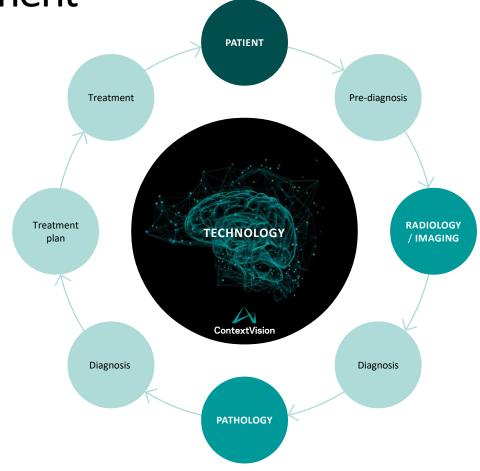
### Sources:

Cap Gemini (EU) and Sisko A.M. et al. (2014), "National health expenditure projections, 2013–23: faster growth expected with expanded coverage and improving economy"



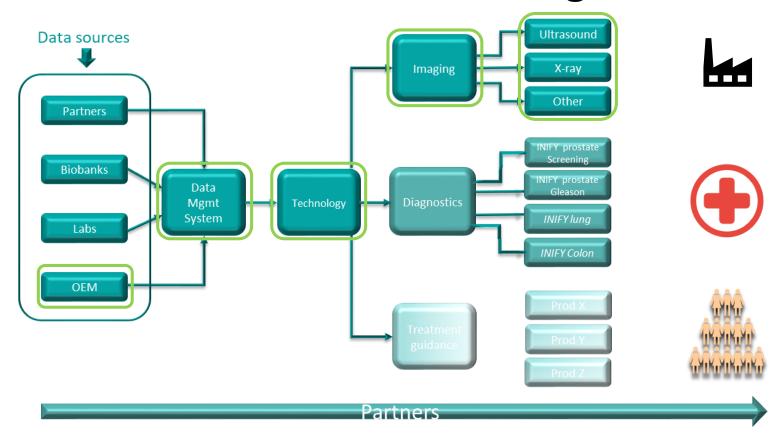
Aiming towards treatment guidance

- Improve workflow
- Improve precision
- Use follow up data
- Use outcome data





### Process of excellence – industrial grade



8 June 2020

Medical Imaging



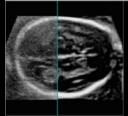
### Image enhancement

Our state-of-the-art software portfolio





Ultrasound 2D US PlusView™ 2.0 VolarView™





Ultrasound 3D/4D GOPiCE® 2.0





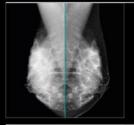
Ultrasound 3D/4D & Visualization REALICE®



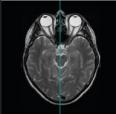














GOPView® MRI2Plus



### Altumira<sup>™</sup> – the new generation of Albased X-ray image enhancement

# Gold standard image quality

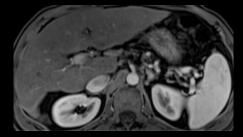
Robustness between patients and varying exposure Processed with Altumira

Standard processing

### Rivent<sup>™</sup> – the 7th generation of image enhancement for ultrasound



Processed Ultrasound - Abdomen



MRI- Abdomen

Disclaimer – the image examples is only an sharpness illustration of the images. It does not reflect clinical information



## Medical Imaging – summary

- Global market leader within medical imaging for ultrasound, X-ray, MRI and mammography
- Revenues are dominated by long-term license fees and driven by customers' production rates and product life cycles
- >300,000 systems worldwide are equipped with ContextVision's software
- Combining 35 years of experience in image processing with the latest AI technology, to continuously deliver cutting-edge products to the market







## A young, rapidly growing market

Digital pathology is a rapidly growing market driven by the shortage of pathologists worldwide. Going digital enables use of decision support tools that make pathologists' work more efficient.

### **DIGITAL PATHOLOGY**

- Provides easy access to specialists
- · Means a new, more efficient workflow
- · Opens for automated image analysis

Automated image analysis has the potential to radically transform the diagnosis process and improve patient care.

ANALOGUE

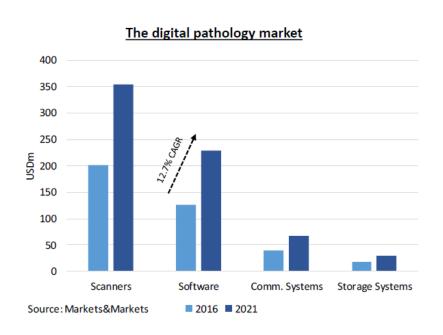


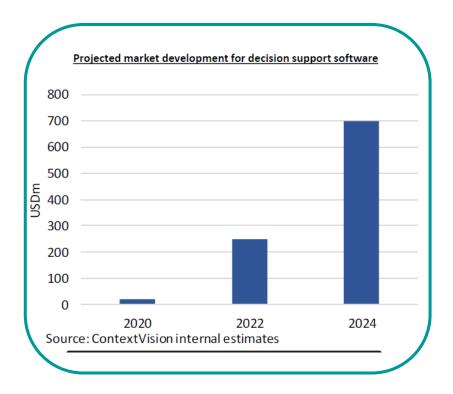
DIGITAL





### Market estimations







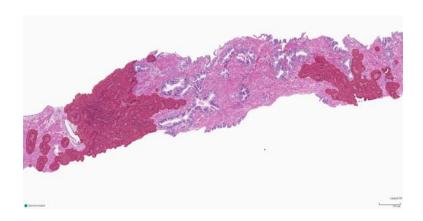
## INIFY® – decision support tools

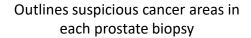
- ContextVision is developing a portfolio of decision support tools targeting major cancer diseases
- The tools are developed by training Deep Learning networks, using high quality data and annotations
- Each year ~2.3 billion prostate biopsy procedures are performed in Europe and the USA
- Other areas with a heavy pathology lab workload are colon, lung and breast cancer
- First product INIFY Prostate Screening





## First product – INIFY® Prostate Screening



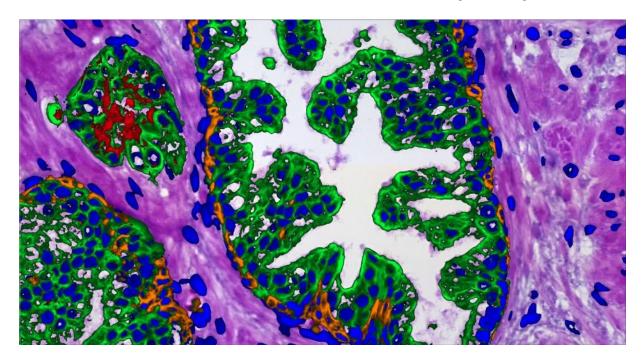




Viewer provides a smooth, intuitive user experience



### MasterAnnotation™ – a unique, patented method



Generates close-to-ground-truth data for training our Deep Learning networks

A multiplex immunofluorescence overlay is combined with H&E staining on the same tissue slide for exact identification of suspicious cancer areas

Patent US 10,572,996



## INIFY® Prostate Screening – workflow

SCAN PROSTATE BIOPSY APPLY DL ALGORITHM SORT SLIDES - "WORST FIRST" Suspicious 73% Suspicious 68% Suspicious 63% Suspicious 33% Suspicious 8% Benign Benign Benign Benign 590975 Benign Benign Benign



## INIFY® Prostate Screening — integrated in clinical workflow since 2018



"It is so easy to use... just scan the slides and you will have the answer automatically on your tray.

will have the answer automatically on your tray within your LIS."

Original Article

### Routine Digital Pathology Workflow: The Catania Experience

Filippo Fraggetta<sup>1</sup>, Salvatore Garozzo<sup>1</sup>, Gian Franco Zannoni<sup>2</sup>, Liron Pantanowitz<sup>3</sup>, Esther Diana Rossi<sup>2</sup>

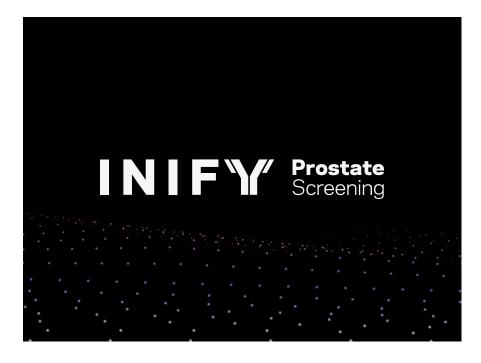
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## Digital Pathology – summary

- With an unmatchable experience within algorithm based software products development for image based applications...
- We Invest significantly in a computational pathology business to enter the rapidly developing digital pathology market...
- and develops decision support tools for pathologists, focusing on cancer types that create the heaviest workload
- Our first product: INIFY® Prostate Screening





## ContextVision – summary

- At the forefront of image processing and decision support technology
- Delivering software solutions that address today's healthcare challenges, enabling radical transformation
- About to enter the fast-growing Digital Pathology market
- An established company, market leaders
  within image processing for Medical Imaging,
  now adding digital pathology and aiming at
  treatment guidance.
- COVID-19 comments



