INTELLIGENT
ULTRASOUND®
for smarter scanning

Transforming ultrasound through AI

The four key global medical imaging modalities

X-Ray	CT	MRI	Ultrasound
High radiation	High radiation	Strong magnetic field	No radiation ✅
Static	Static	Static	Portable ✅
Low cost	High cost	High cost	Low cost ✅
Excellent for bone	Excellent for bone	Excellent for bone	Excellent for soft tissue
Poor for soft tissue	Excellent for soft tissue	Excellent for tissue	Poor for bone

CT and MRI imaging

Common replicable procedure
Consistent image set captured by machine

Ultrasound imaging

Real-time interactive scan
Images depend on sonographer capability

Clinicians need to be **trained** to the highest standards

Hospitals need to **scan more patients** with the same resource

Hospitals need help to **minimise** patient **mis-diagnosis**

Clinicians need to be **trained** to the highest standards

Hospitals need to **scan more patients** with the same resource

Hospitals need help to **minimise** patient **mis-diagnosis**

SIMULATION DIVISION
SIMULATION BASED TRAINING IN THE CLASSROOM

CLINICAL AI DIVISION
AI BASED IMAGE ANALYSIS IN THE CLINIC
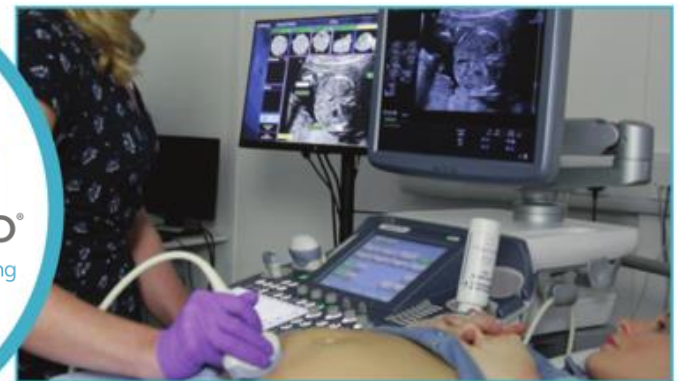
INTELLIGENT ULTRASOUND®
for smarter scanning

Providing a range of hi-fidelity simulators for educating and training ultrasound practitioners and improving patient care by raising scanning standards around the world

Developing a range of AI-based software for real-time guidance and image analysis during ultrasound scanning, to improve the speed and standard of scanning worldwide

Transforming ultrasound scanning through AI

SIMULATION DIVISION

Training to the highest standards

A world leading range of ultrasound simulators

INTELLIGENT
ULTRASOUND
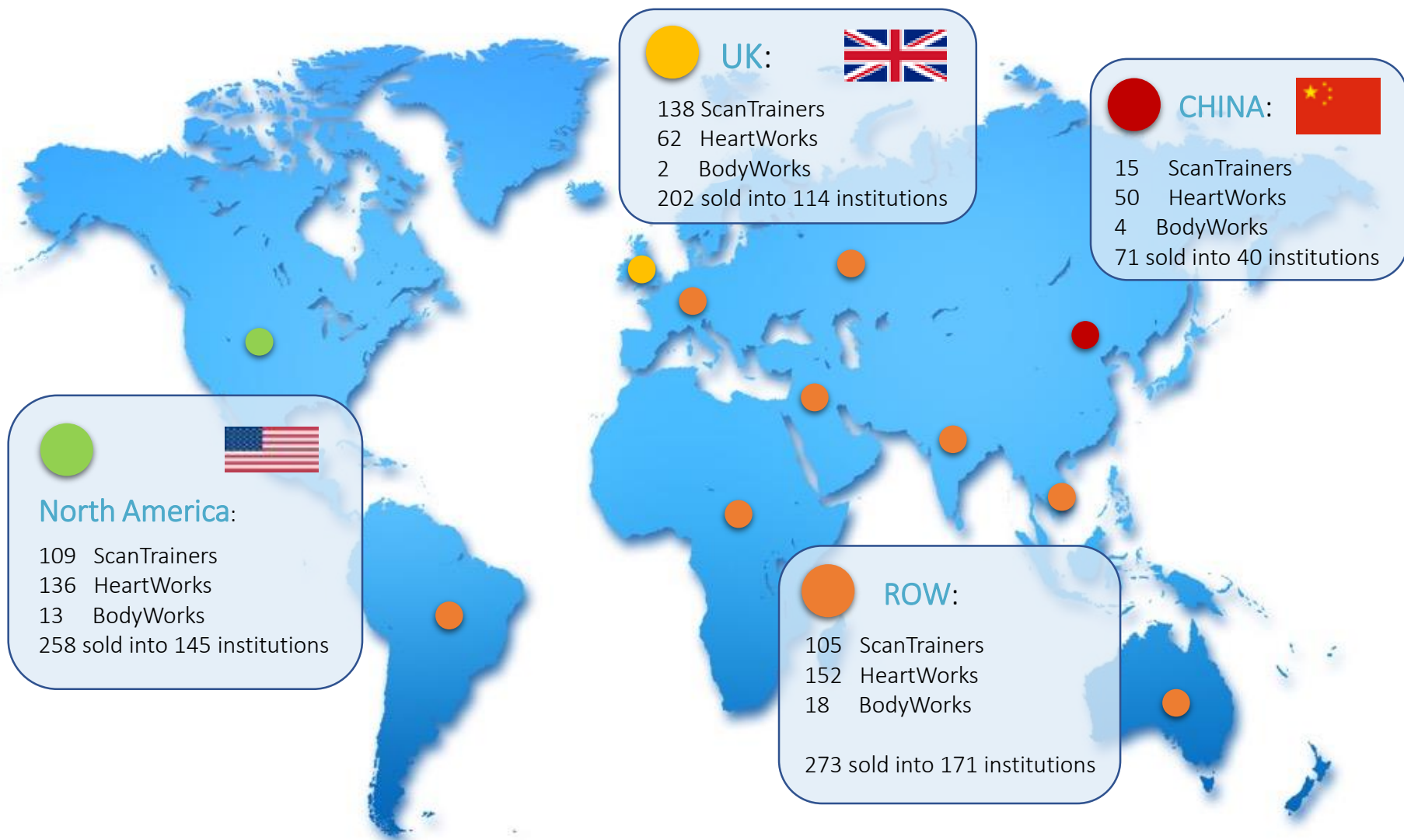*for smarter scanning*

BODYWORKS|Eve®
for POINT OF CARE scanning

- Transabdominal Ultrasound
- Transesophageal Echocardiography
- Transthoracic Echocardiography
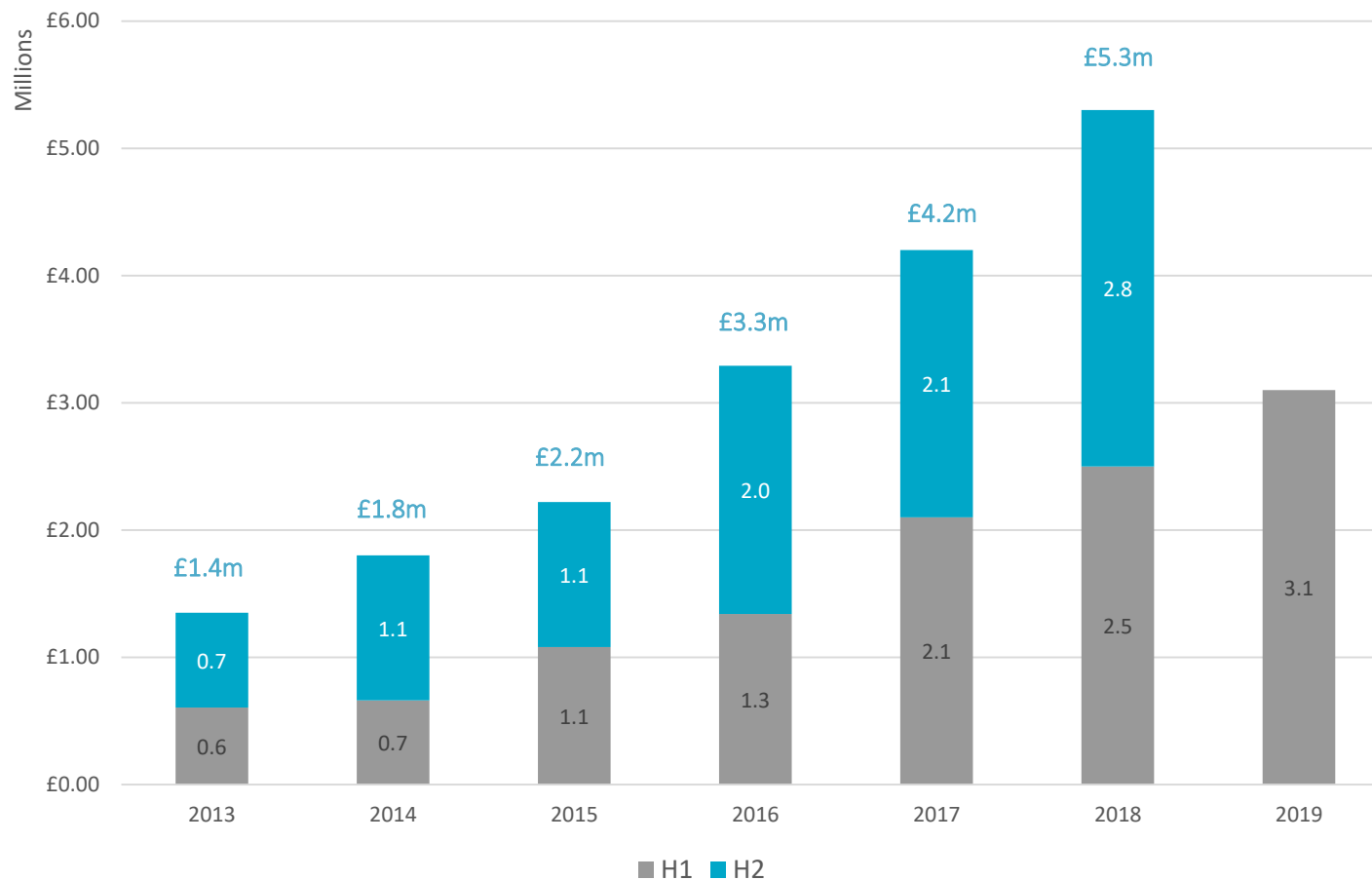- Transvaginal Ultrasound
- Lung Ultrasound

SCANTRAINER®
for OBGYN and GM scanning

HEARTWORKS®
for LUNG and HEART scanning
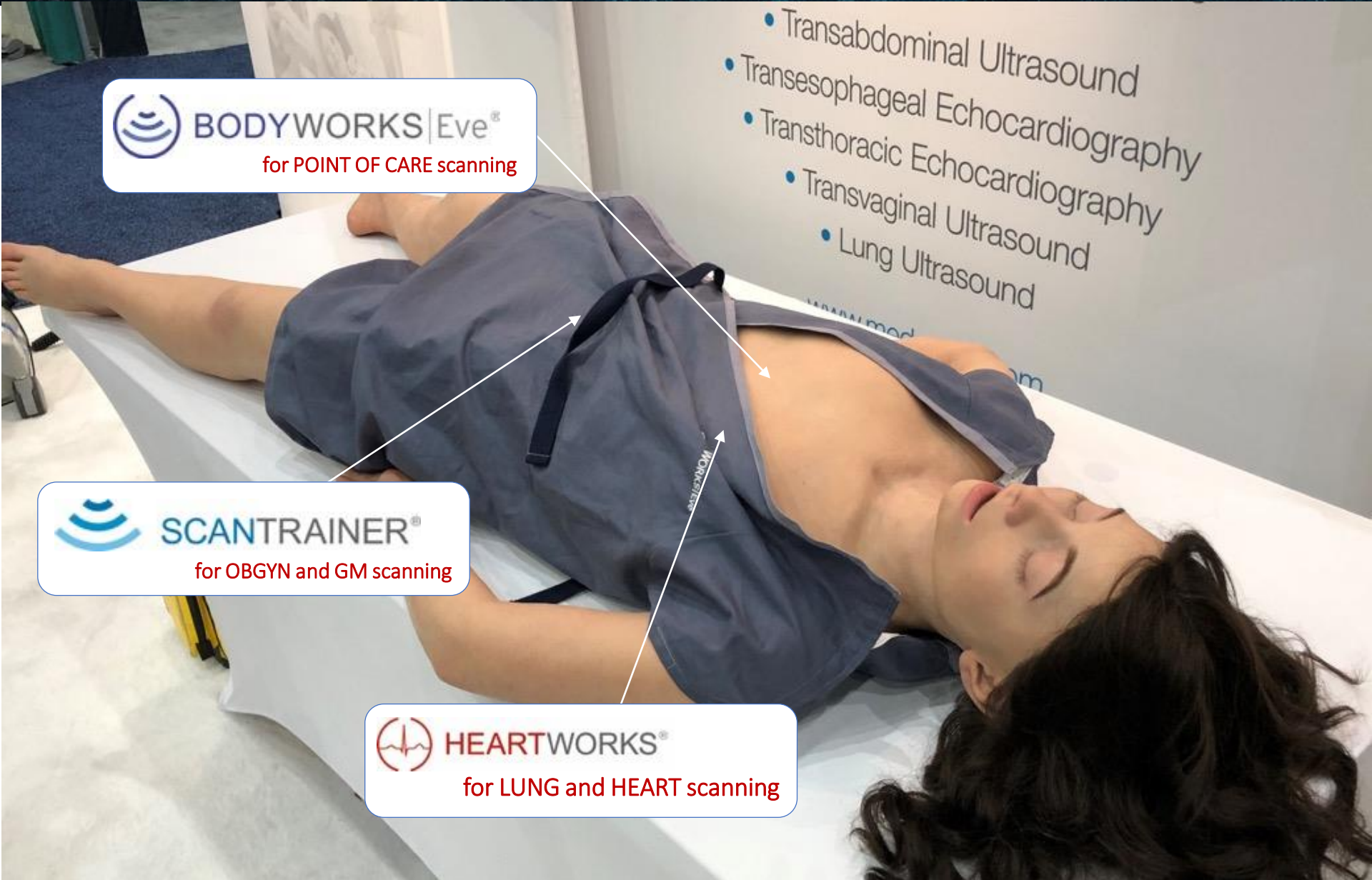
Simulation Division – market penetration

INTELLIGENT ULTRASOUND
for smarter scanning

Over **800 systems** sold into almost **500 medical institutions**

UK:
138 ScanTrainers
62 HeartWorks
2   BodyWorks
202 sold into 114 institutions

CHINA:
15 ScanTrainers
50 HeartWorks
4   BodyWorks
71 sold into 40 institutions

North America:
109 ScanTrainers
136 HeartWorks
13   BodyWorks
258 sold into 145 institutions

ROW:
105 ScanTrainers
152 HeartWorks
18   BodyWorks

273 sold into 171 institutions

Simulation division revenue growth since 2013

INTELLIGENT
ULTRASOUND®
for smarter scanning

CLINICAL AI DIVISION

Speeding up scanning and minimising misdiagnosis

A world class AI image database
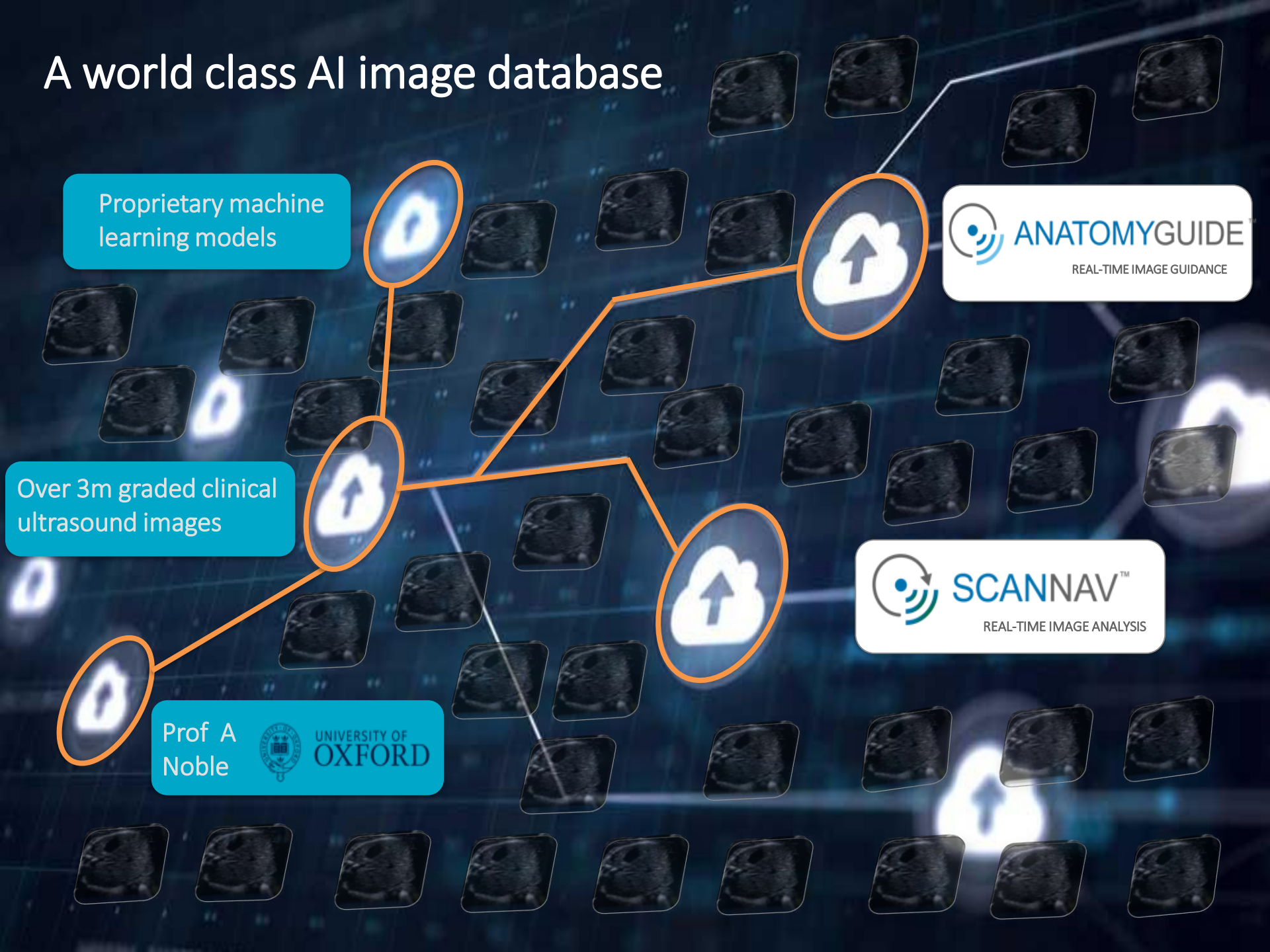
Proprietary machine learning models

Over 3m graded clinical ultrasound images

Prof A Noble — UNIVERSITY OF OXFORD

ANATOMYGUIDE — REAL-TIME IMAGE GUIDANCE

SCANNAV™ — REAL-TIME IMAGE ANALYSIS

Real-time ultrasound image analysis

SCANNAV™

AI for ultrasound professionals

"The ScanNav software could potentially automate the auditing for obstetric scanning in a busy clinical setting. This new way of assessing images could have great potential"

Katy Cook, Lead Sonographer
St George's London

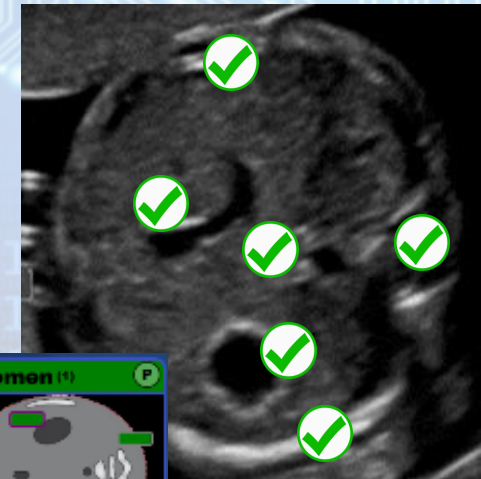*ScanNav is a pre-market product in development*

INTELLIGENT ULTRASOUND
for smarter scanning

Key anatomical structures mapped
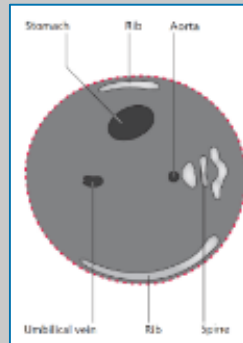
Live image assessed in real-time

Image recognition algorithms taught using a database of graded and assessed images

Abdomen

Real-time ultrasound image guidance
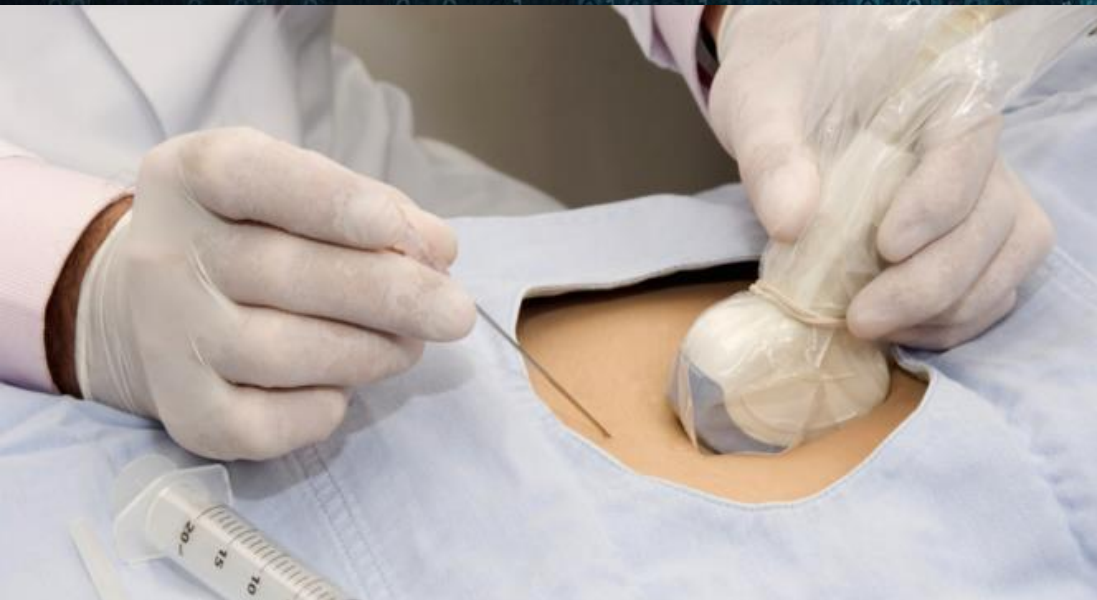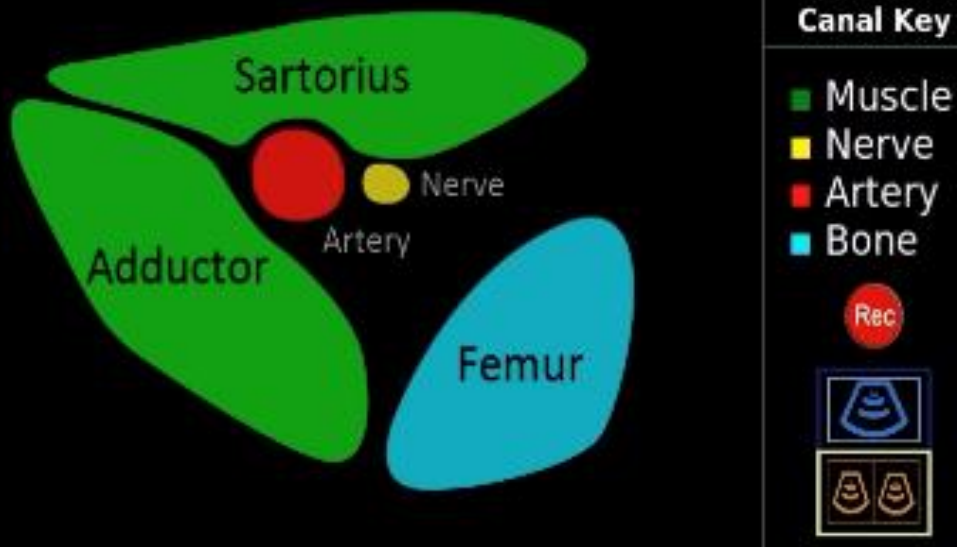

Regional Anaesthesia (RA):

- Injecting local anaesthetic near a nerve to suppress sensation in a specific part of the body

Real-time highlighting of key anatomical features for regional anaesthesia

Anaesthetists:

- Perform injections and navigate by landmarks on the ultrasound image

Global ultrasound imaging market

ESTIMATED MEDICAL AI IMAGE MARKET - $8bn

Application	Value
Robot Assisted Surgery	$40bn
Virtual Nursing Assistants	$20bn
Administrative Workflow	$18bn
Fraud Detection	$17bn
Dosage Error Reduction	$16bn
Connected Machines	$14bn
Clinical Trial Participant Identifier	$13bn
Preliminary Diagnosis	$5bn
Automated Image Diagnosis	$3bn
Cyber Security	$2bn
TOTAL	$150bn

CURRENT GLOBAL ULTRASOUND IMAGING MARKET - $6.8bn
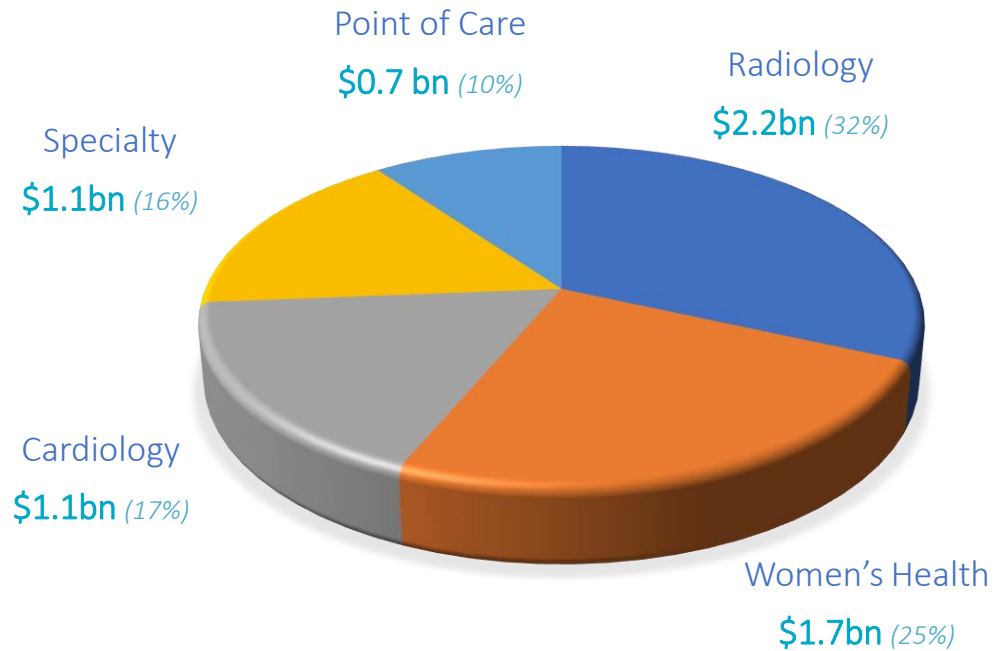
Point of Care
$0.7 bn *(10%)*

Radiology
$2.2bn *(32%)*

Specialty
$1.1bn *(16%)*

Cardiology
$1.1bn *(17%)*

Women's Health
$1.7bn *(25%)*

Top 3 OEMs - Radiology:

Canon

PHILIPS Healthcare

GE Healthcare

Top 3 OEMs – Women's Health:

GE Healthcare

Canon

mindray

Top 5 OEMs – POC:

SonoSite

GE Healthcare

PHILIPS Healthcare

Global ultrasound imaging market valued at $6.8bn

*Growing at **4.6% CAGR***

INTELLIGENT ULTRASOUND
for smarter scanning

First global AI licence signed

- First long-term licensing agreement

  - *with one of the world's leading ultrasound manufacturers*

- Integrating our AI image analysis software
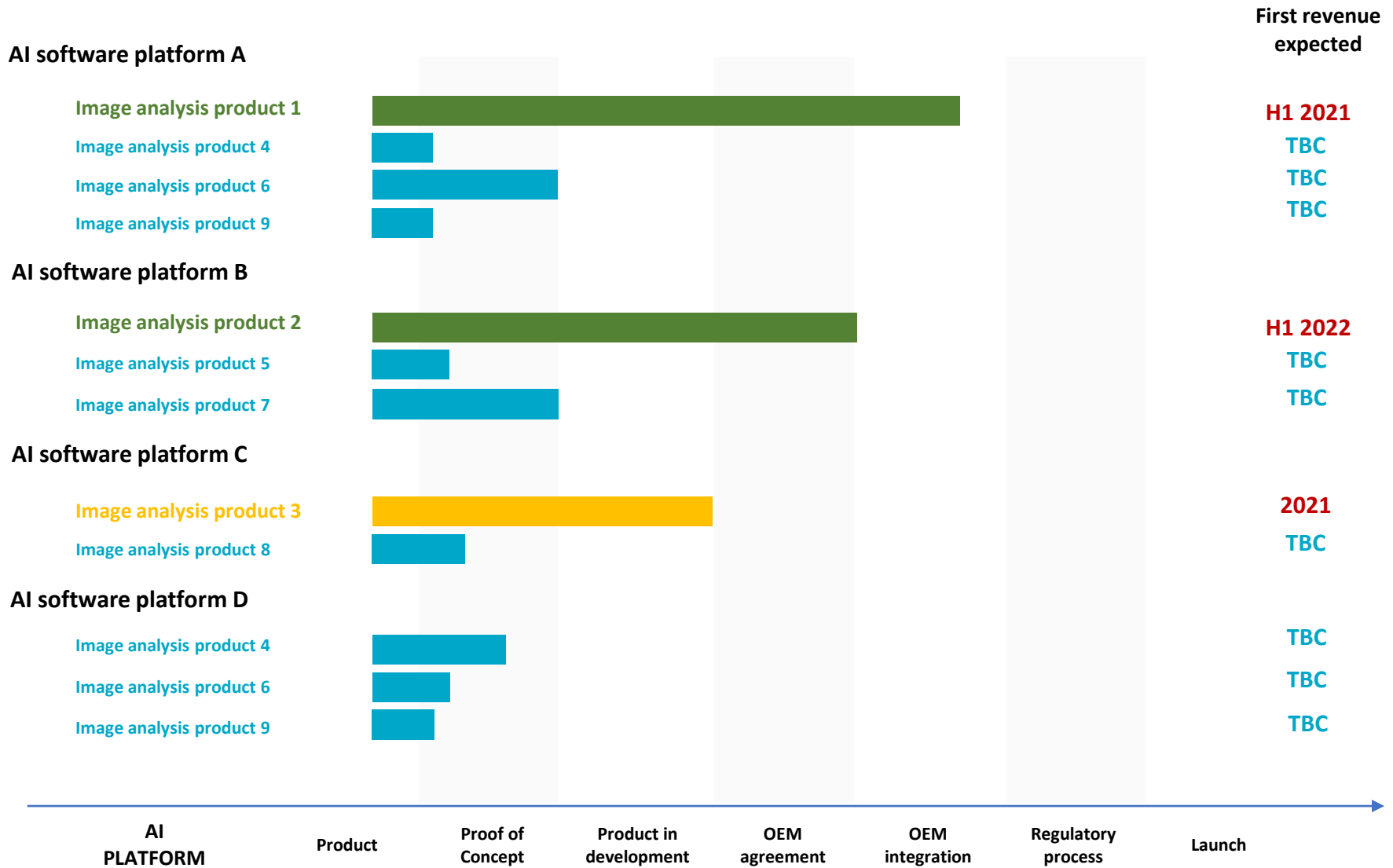
  - *onto a global range of ultrasound systems*

- Generating high margin royalty

  - *Revenues expected from 2021*

  - *Following regulatory approval*

- More agreements expected to follow

Multi-platform, multi-licence strategy

First revenue expected

AI software platform A

Image analysis product 1	**H1 2021**
Image analysis product 4	TBC
Image analysis product 6	TBC
Image analysis product 9	TBC

AI software platform B

Image analysis product 2	**H1 2022**
Image analysis product 5	TBC
Image analysis product 7	TBC

AI software platform C

Image analysis product 3	**2021**
Image analysis product 8	TBC

AI software platform D

Image analysis product 4	TBC
Image analysis product 6	TBC
Image analysis product 9	TBC

AI PLATFORM — Product — Proof of Concept — Product in development — OEM agreement — OEM integration — Regulatory process — Launch

Summary

AIM ticker: **MED**
Current market value: **$28m**

Phase 5

Phase 4

The race to the consumer

Expand into diagnostic AI

Phase 3 (£6m raised Aug 19)

**Launch first AI software products
Generate first AI royalty revenue
Develop and launch second AI products to market**

Phase 2b (COMPLETE)

Sign first OEM agreement

Phase 2a (COMPLETE)

Pilot AI in clinical OBGYN department in UK

Phase 1 (COMPLETE)

Gold standard training

SCANNAV™ | Audit

SCANNAV™ | Auto Capture

ANATOMYGUIDE

SCANNAV™ Assist

SCANNAV™ | Healthcheck

BODYWORKS|Eve

HEARTWORKS™

SCANTRAINER™

2017-18   **2019-20**   **2021-23**   **2025 +**