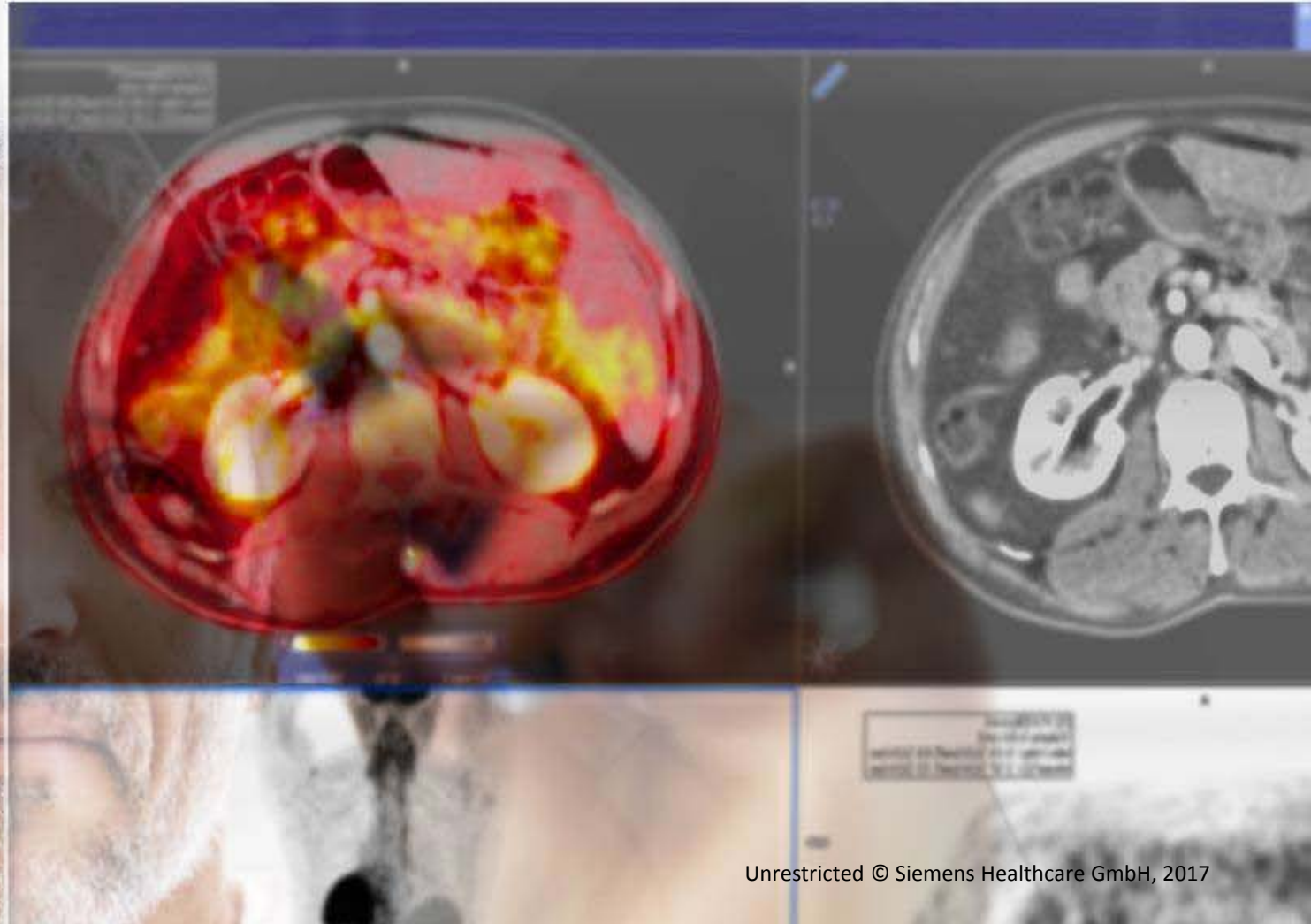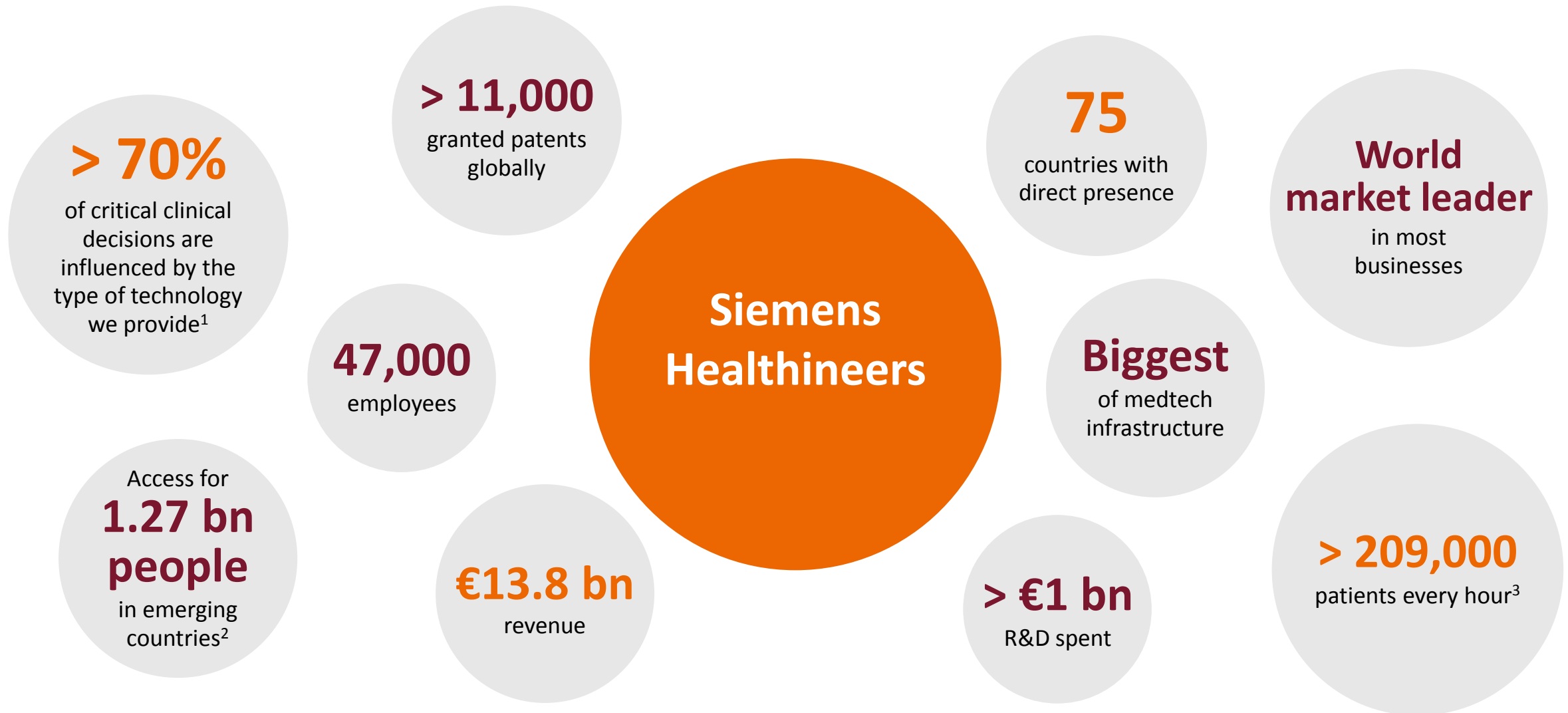**RSNA 2017**

Welcome to our Media Breakfast

Walter Maerzendorfer
November 2017

Disclaimer

This document contains statements related to our future business and financial performance and future events or developments involving Siemens that may constitute forward-looking statements. These statements may be identified by words such as "expect," "look forward to," "anticipate," "intend," "plan," "believe," "seek," "estimate," "will," "project" or words of similar meaning. We may also make forward-looking statements in other reports, in presentations, in material delivered to shareholders and in press releases. In addition, our representatives may from time to time make oral forward-looking statements. Such statements are based on the current expectations and certain assumptions of Siemens' management, of which many are beyond Siemens' control. These are subject to a number of risks, uncertainties and factors, including, but not limited to those described in disclosures, in particular in the chapter Risks in the Annual Report. Should one or more of these risks or uncertainties materialize, or should underlying expectations not occur or assumptions prove incorrect, actual results, performance or achievements of Siemens may (negatively or positively) vary materially from those described explicitly or implicitly in the relevant forward-looking statement. Siemens neither intends, nor assumes any obligation, to update or revise these forward-looking statements in light of developments which differ from those anticipated. Due to rounding, numbers presented throughout this and other documents may not add up precisely to the totals provided and percentages may not precisely reflect the absolute figures.

Who we are

SIEMENS
Healthineers

Siemens Healthineers

> 70% of critical clinical decisions are influenced by the type of technology we provide[1]

> 11,000 granted patents globally

75 countries with direct presence

World market leader in most businesses

47,000 employees

Biggest of medtech infrastructure

Access for **1.27 bn people** in emerging countries[2]

€13.8 bn revenue

> €1 bn R&D spent

> 209,000 patients every hour[3]

1) AdvaMedDX, "A Policy Primer on Diagnostics", June 2011, page 3
2) Siemens AG, "Sustainability Information 2016", page 8
3) Siemens AG, "Sustainable healthcare strategy – Indicators in fiscal 2014", page 3–4

Global dynamics in healthcare

Healthcare trends

Consumerism

Demographic shift

Population growth

Rapid scientific progress

Staff shortage

Shift to value-based reimbursement

Growing chronic disease burden

Increasing cost pressure

Transformation of healthcare providers

Consolidation
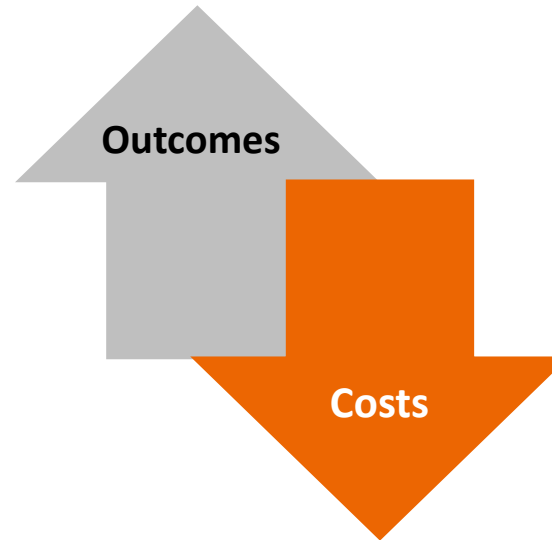Building the critical mass

Industrialization
Doing more with less

Managing Health
Value-based healthcare

Our purpose is to make healthcare providers succeed

Enabling better outcomes

Outcomes

Costs

at lower costs

We enable healthcare providers to achieve better outcomes at lower costs by empowering them on their journey towards…

Expanding **precision medicine**

Transforming **care delivery**

Improving **patient experience**

Digitalizing **healthcare**

RSNA 2017
Firework of innovations

nexaris Therapy Suites

MAGNETOM Terra

SOMATOM Force[1]

SOMATOM Edge Plus[2]

SOMATOM go. platform

MAMMOMAT Revelation[2]

Biograph Vision[3]

MAGNETOM Vida

Cios Spin[4]

GOKnee3D[2]

1) The FAST 3D Camera is pending 510(k) clearance, and is not yet commercially available in the United States.
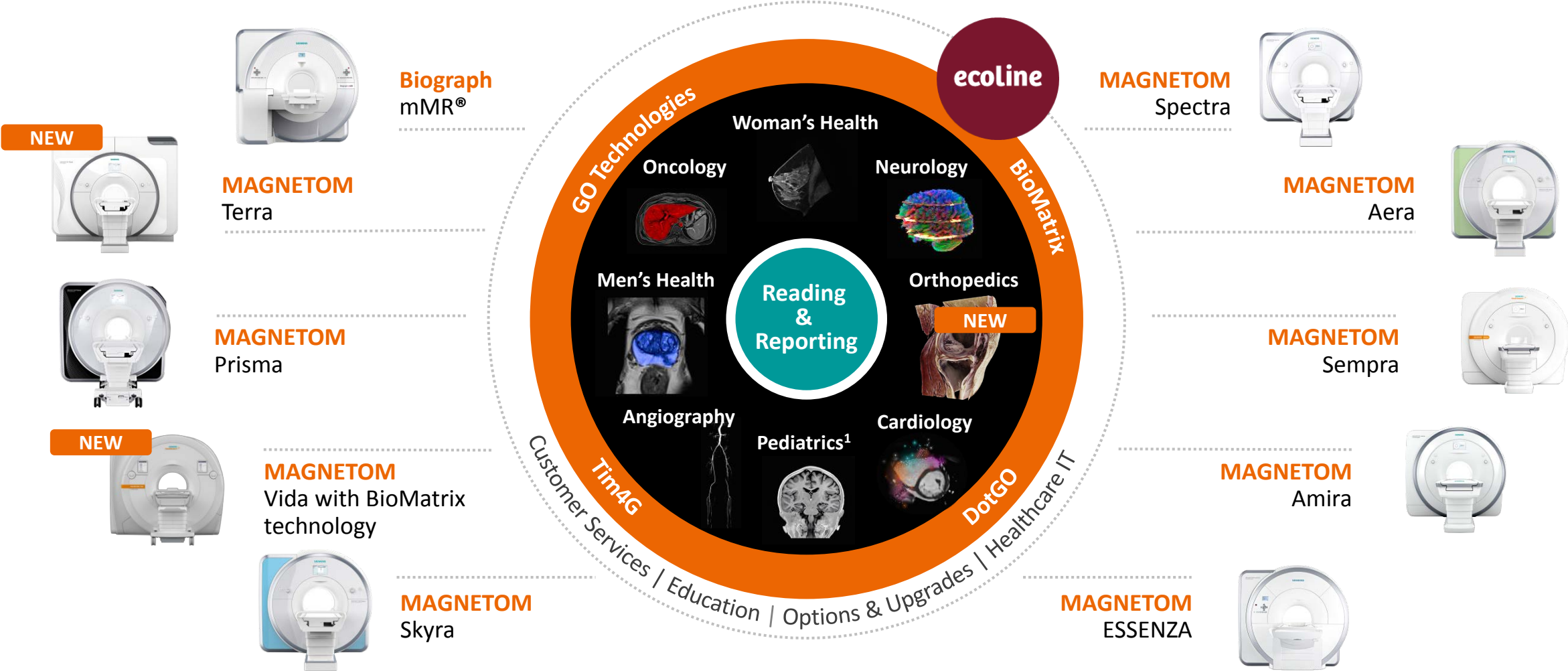2) This product is pending 510(k) clearance, and is not yet commercially available in the United States.
3) Biograph Vision and its features and applications are currently under development and are not for sale in the U.S. Their future availability cannot be guaranteed. They do not yet fulfill all the essential requirements according to the European Medical Device Directive (93/42/EEC) and its national implementations and are not yet commercially available in the European Union.
4) Cios Spin is currently under development; is not for sale in the U.S. Its future availability cannot be guaranteed.

A strong MR portfolio
Innovating Magnetic Resonance

SIEMENS
Healthineers

Biograph
mMR®

NEW

MAGNETOM
Terra

MAGNETOM
Prisma

NEW

MAGNETOM
Vida with BioMatrix
technology

MAGNETOM
Skyra

ecoline

GO Technologies

Woman's Health

Oncology

Neurology

BioMatrix

Men's Health

Reading & Reporting

Orthopedics

NEW

Angiography

Pediatrics[1]

Cardiology

Tim4G

Customer Services | Education | Options & Upgrades | Healthcare IT

DotGO

MAGNETOM
Spectra

MAGNETOM
Aera

MAGNETOM
Sempra

MAGNETOM
Amira

MAGNETOM
ESSENZA

1) MR scanning has not been established as safe for imaging fetuses and infants less than two years of age. The responsible physician
must evaluate the benefits of the MR examination compared to those of other imaging procedures.

A strong MI portfolio
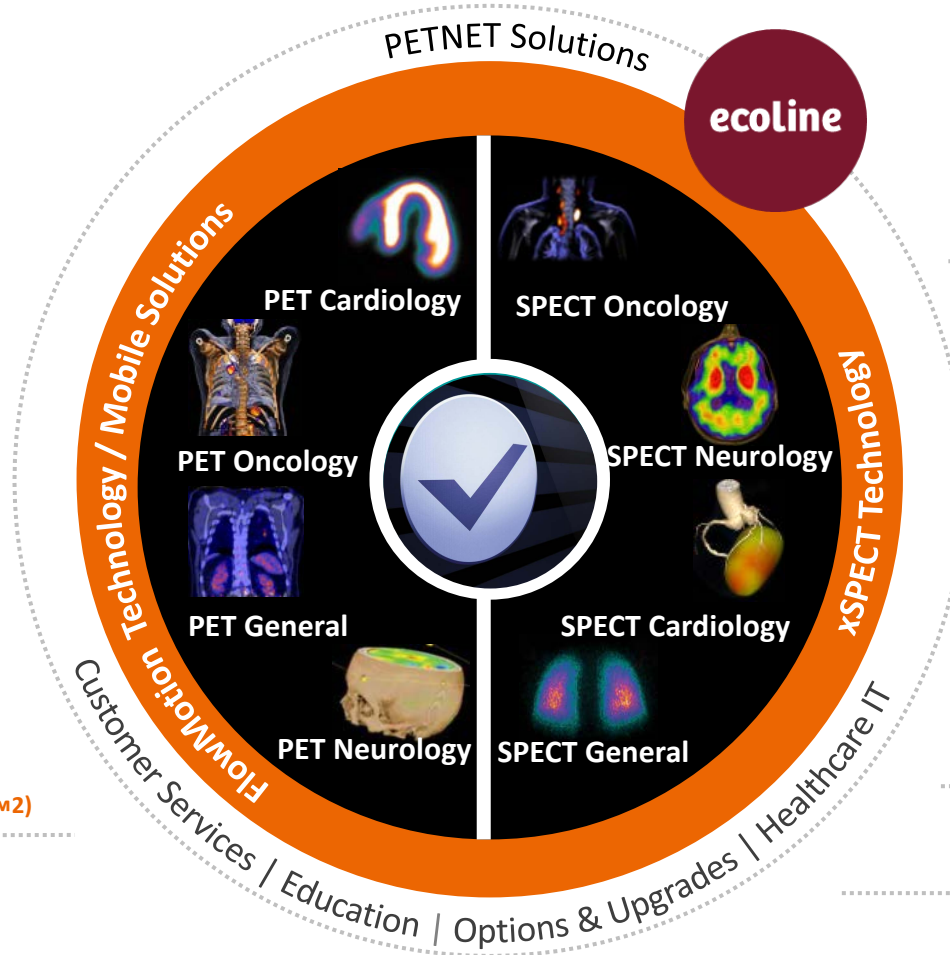# Innovating Molecular Imaging

PET

NEW

Biograph™ Vision[1]

Biograph™ mCT Flow[2]

Biograph™ mCT

Biograph Horizon™ Flow edition[2]

Biograph Horizon™[2]

PETNET Solutions

ecoline

PET Cardiology

SPECT Oncology

PET Oncology

SPECT Neurology

PET General

SPECT Cardiology

PET Neurology

SPECT General

Customer Services | Education | Options & Upgrades | Healthcare IT

FlowMotion Technology / Mobile Solutions

xSPECT Technology

SPECT

Symbia Intevo Bold™[2]

Symbia Intevo™

Symbia Intevo Excel

Symbia Evo™

Symbia Evo Excel™

1) Biograph Vision and its features and applications are currently under development and are not for sale in the U.S. Their future availability cannot be guaranteed. They do not yet fulfill all the essential requirements according to the European Medical Device Directive (93/42/EEC) and its national implementations and are not yet commercially available in the European Union.
2) These products are not commercially available in all countries. Due to regulatory reasons, its future availability cannot be guaranteed. Please contact your local Siemens organization for further details.

A strong XP portfolio
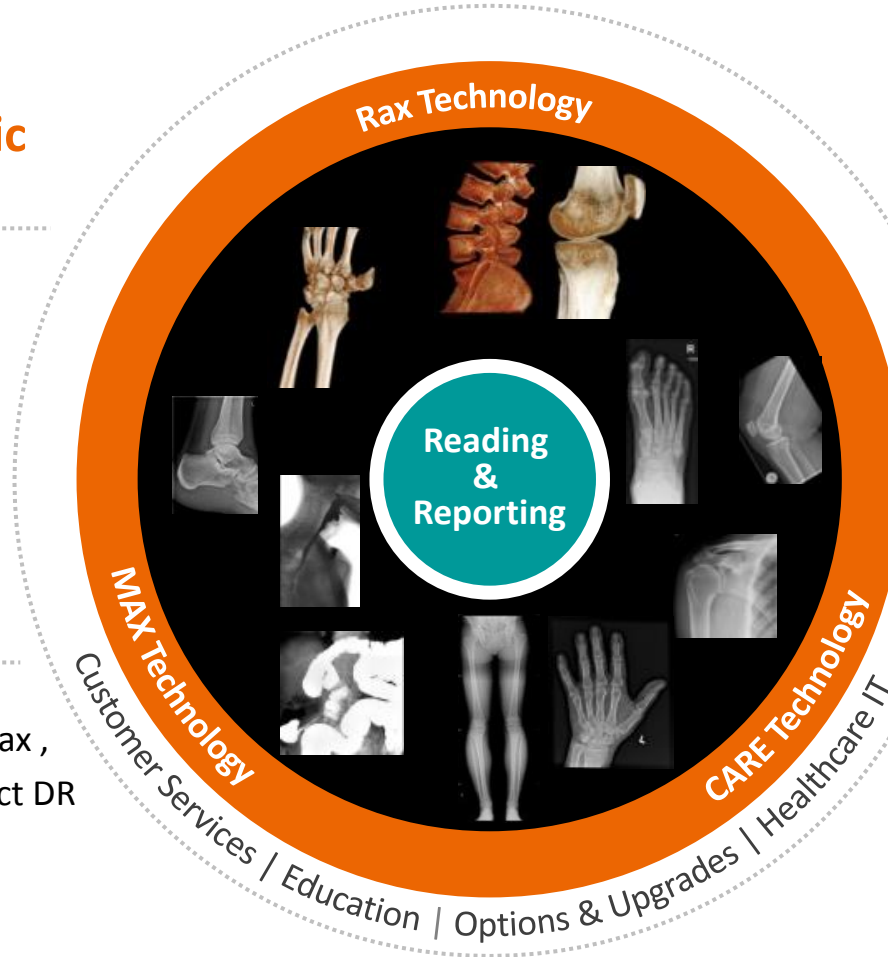# Innovating general X-ray

Twin Robotic X-ray

Multitom Rax

Radiography

Ysio Max,
Multix Fusion Max ,
Multix Select DR

Mobile X-ray

Mobilett Mira Max,
Mobilett XP Series,
Polymobil Plus,
Multimobil 10

Fluoroscopy

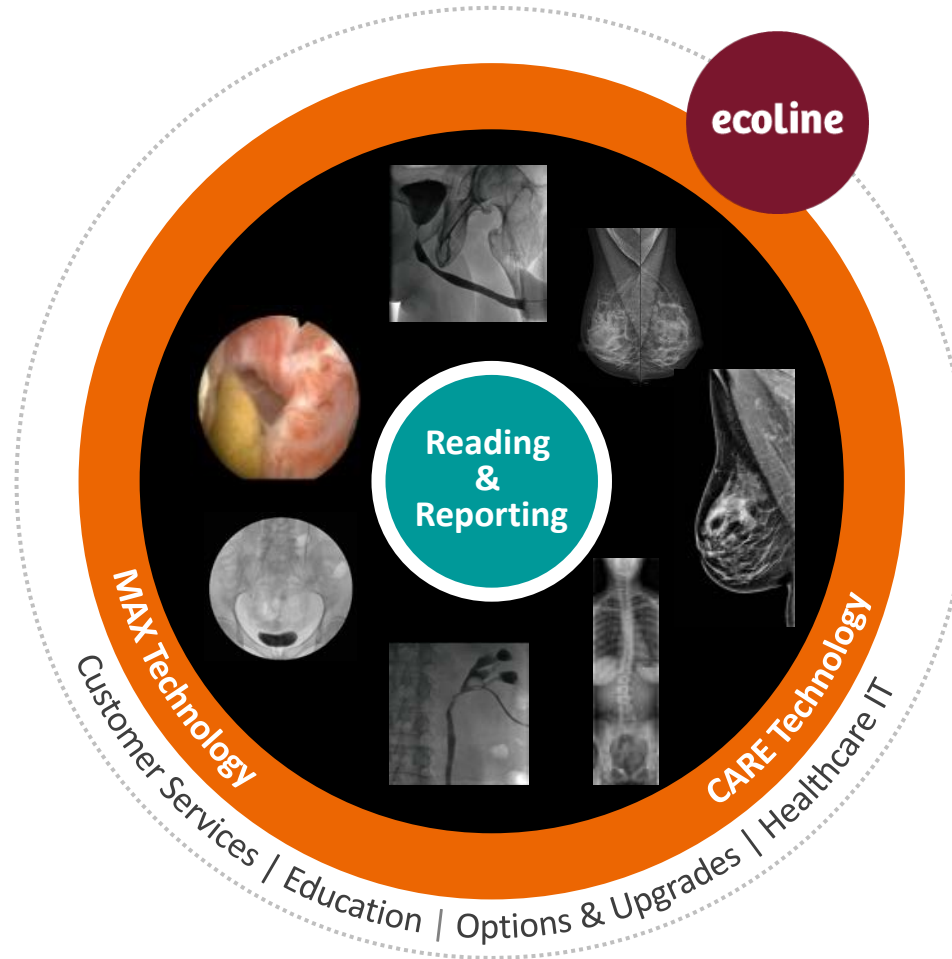**Luminos** Agile Max,
Luminos dRF Max,
Luminos Select,
Luminos RF Classic

Rax Technology

MAX Technology

CARE Technology

Reading & Reporting

Customer Services | Education | Options & Upgrades | Healthcare IT

A strong portfolio
Innovating Urology & Women's Health

SIEMENS
Healthineers

Urology

Uroskop Omnia Max,

Modularis series

ecoline

Reading & Reporting

MAX Technology

CARE Technology

Customer Services | Education | Options & Upgrades | Healthcare IT
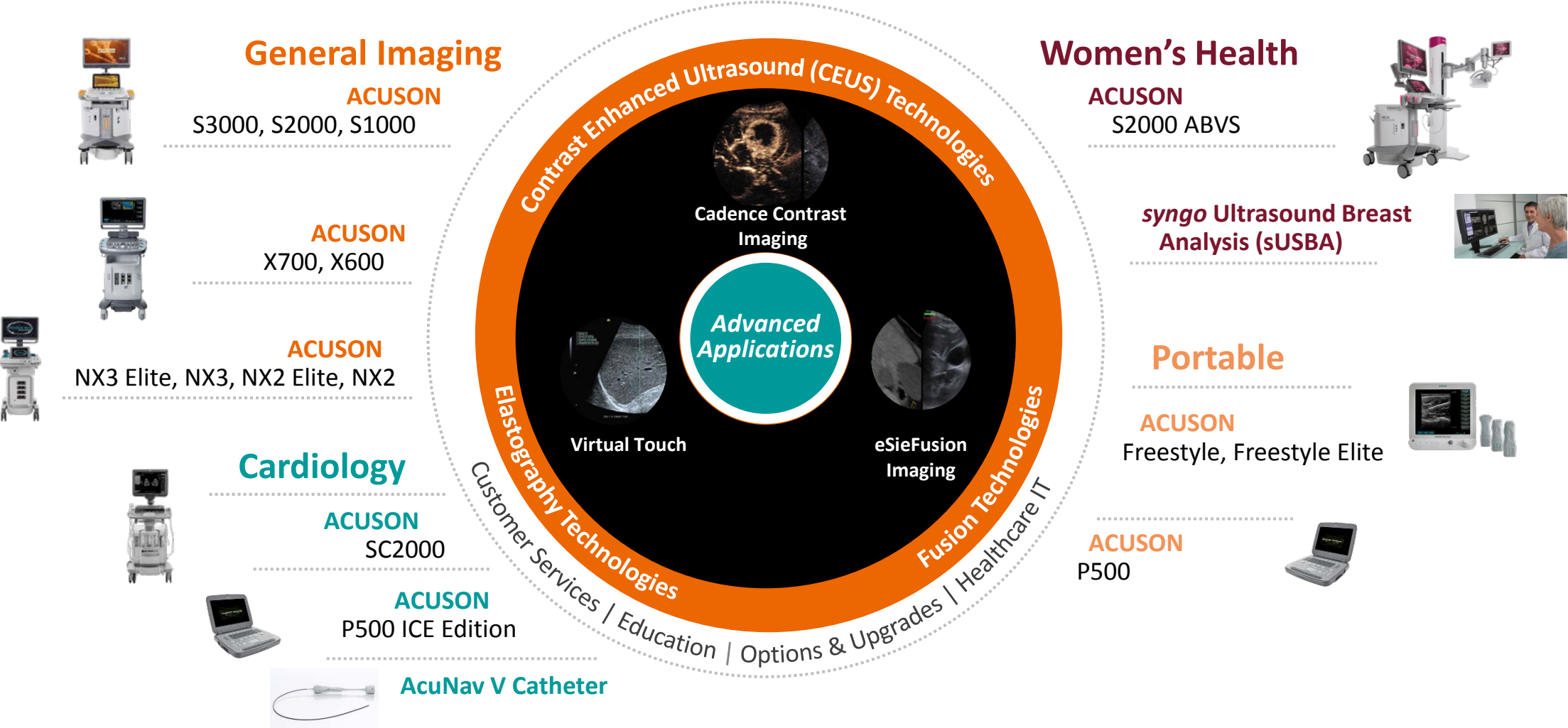
NEW

Women's Health

Mammomat Revelation[1],

Mammomat Inspiration,

Mammomat Fusion,

Mammomat Select

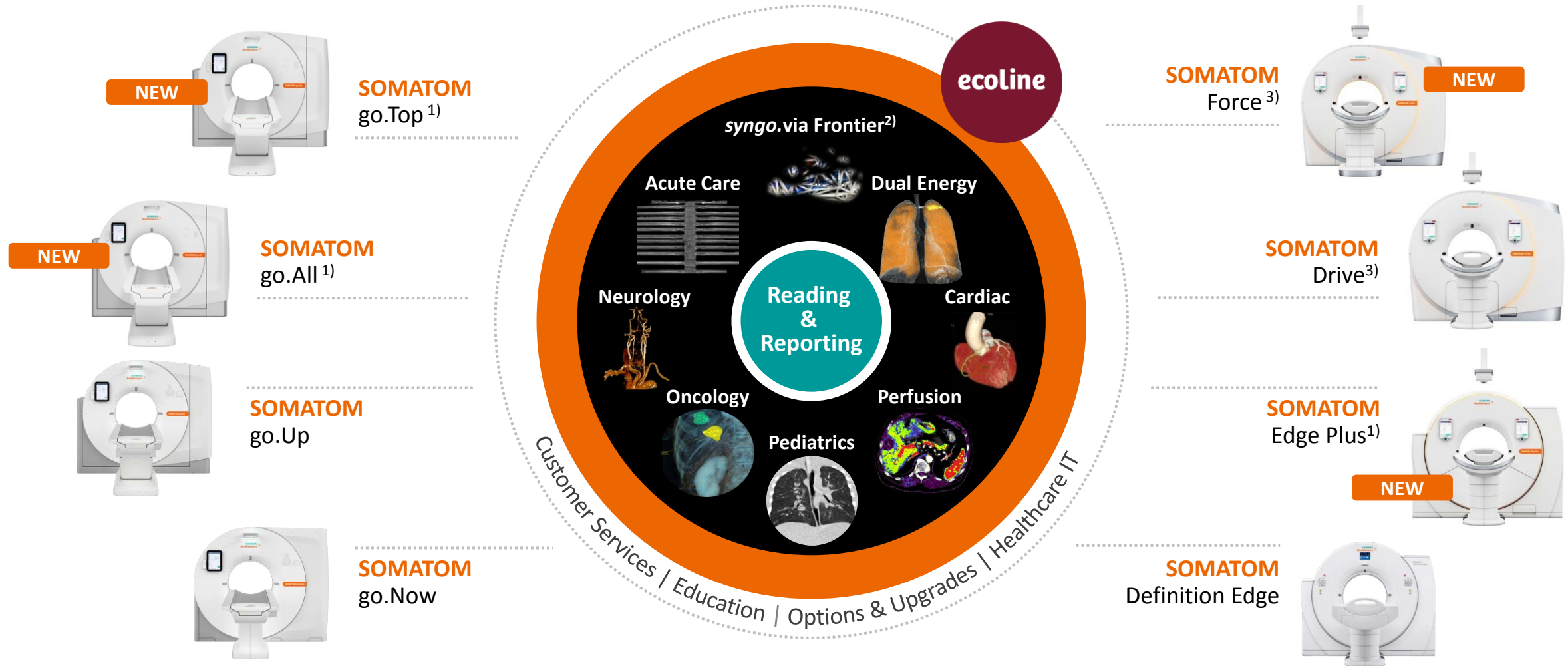1) This product is pending 510(k) clearance, and is not yet commercially available in the United States.

A strong US portfolio Innovating Ultrasound

SIEMENS
Healthineers

General Imaging

ACUSON
S3000, S2000, S1000

ACUSON
X700, X600

ACUSON
NX3 Elite, NX3, NX2 Elite, NX2

Cardiology

ACUSON
SC2000

ACUSON
P500 ICE Edition

AcuNav V Catheter

Contrast Enhanced Ultrasound (CEUS) Technologies

Cadence Contrast Imaging

Advanced Applications

Virtual Touch

eSieFusion Imaging

Elastography Technologies

Fusion Technologies

Customer Services | Education | Options & Upgrades | Healthcare IT

Women's Health

ACUSON
S2000 ABVS

syngo Ultrasound Breast Analysis (sUSBA)

Portable

ACUSON
Freestyle, Freestyle Elite

ACUSON
P500

A strong CT portfolio
Innovating Computer Tomography

SIEMENS
Healthineers

NEW
SOMATOM
go.Top [1]

NEW
SOMATOM
go.All [1]

SOMATOM
go.Up

SOMATOM
go.Now

ecoline

syngo.via Frontier[2]

Acute Care

Dual Energy

Neurology

Reading & Reporting

Cardiac

Oncology

Pediatrics

Perfusion

Customer Services | Education | Options & Upgrades | Healthcare IT

SOMATOM
Force [3]
NEW

SOMATOM
Drive[3]

SOMATOM
Edge Plus[1]
NEW

SOMATOM
Definition Edge

1) This product is pending 510(k) clearance, and is not yet commercially available in the United States.
2) For research use only. Not for clinical use.
3) The FAST 3D Camera is pending 510(k) clearance, and is not yet commercially available in the United States.

Patient-centric technologies of SOMATOM go.platform now available for the full clinical spectrum
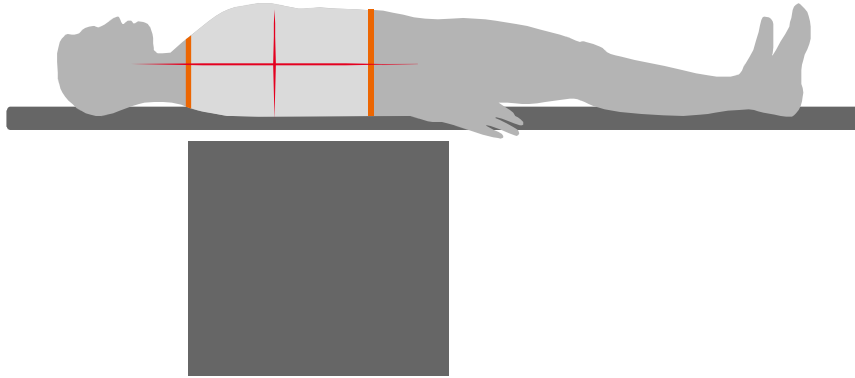
SOMATOM go.Now   SOMATOM go.Up   SOMATOM go.All[1]   SOMATOM go.Top[1]
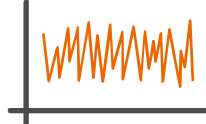
1) This product is pending 510(k) clearance, and is not yet commercially available in the United States.

Patient positioning is significantly influencing dose and image quality

In **95%** of all patients, isocentering is incorrect

About **2.6 cm** mean deviation

3 cm ≙

+ 18% peripheral dose

+ 6% noise

Source: Li J, Udayasankar UK, Toth TL et al. Automatic patient centering for MDCT: effect on radiation dose. AJR 2007; 188: 547 – 552.

FAST Integrated Workflow will literally change views in patient positioning

Introducing the first

FAST Integrated Workflow with FAST 3D Camera[1]

- ✓ Standardized positioning
- ✓ Isocentric positioning
- ✓ Correct body region recognition
- ✓ Correct scan direction setup

1) The FAST 3D Camera is pending 510(k) clearance, and is not yet commercially available in the United States.

FAST Integrated Workflow and FAST 3D Camera[1] introduced to our premium systems, both Single and Dual Source

SOMATOM Edge Plus[2]

SOMATOM Drive

SOMATOM Force

1) The FAST 3D Camera is pending 510(k) clearance, and is not yet commercially available in the United States.
2) This product is pending 510(k) clearance, and is not yet commercially available in the United States.

Contrast media enhanced 100 kV imaging at BMI 51 for whole-body evaluation with SOMATOM Edge Plus[1]

SIEMENS
Healthineers

The new CT portfolio is a strong player for our Siemens Healthineers value promises

Expanding **precision medicine**

Transforming **care delivery**

Improving **patient experience**

Digitalizing **healthcare**

...enabled by digital technologies

The new CT portfolio is a strong player for our Siemens Healthineers value promises

SIEMENS
Healthineers

Expanding
precision medicine

Precise diagnosis to foster individualized prevention & therapy

Transforming
care delivery

Accessible & highly-efficient health care delivery leveraging established & new care models

Improving
patient experience

Improved patient experience across the continuum of care

Digitalizing
healthcare

...enabled by digital technologies

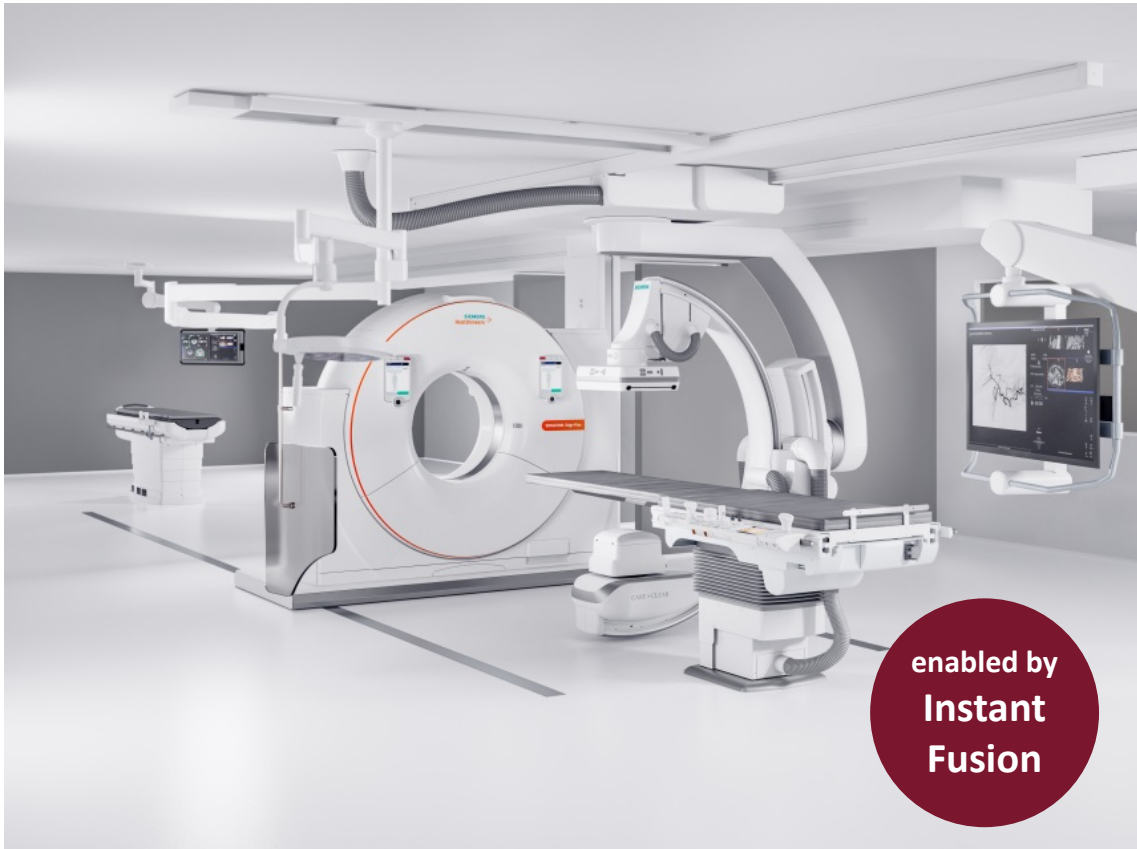# Seamlessly combined multi-modality imaging to advance therapy outcomes

SIEMENS
Healthineers

Safer, faster, more precise and less costly procedures

nexaris Angio-MR-CT
At the nexus of treatment innovation

nexaris Therapy Suites
Multi-modality imaging to advance therapy outcomes

enabled by
Instant Fusion

nexaris Angio-CT – for interventional radiology
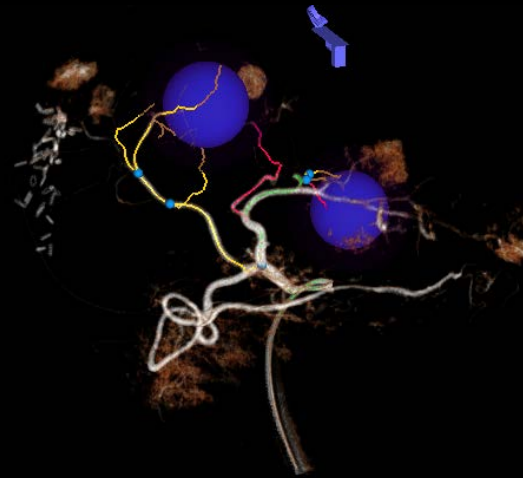

enabled by
PILOT

nexaris Angio-MR-CT – for surgery

Interventional oncology procedure
in a 75 year old male with liver cancer
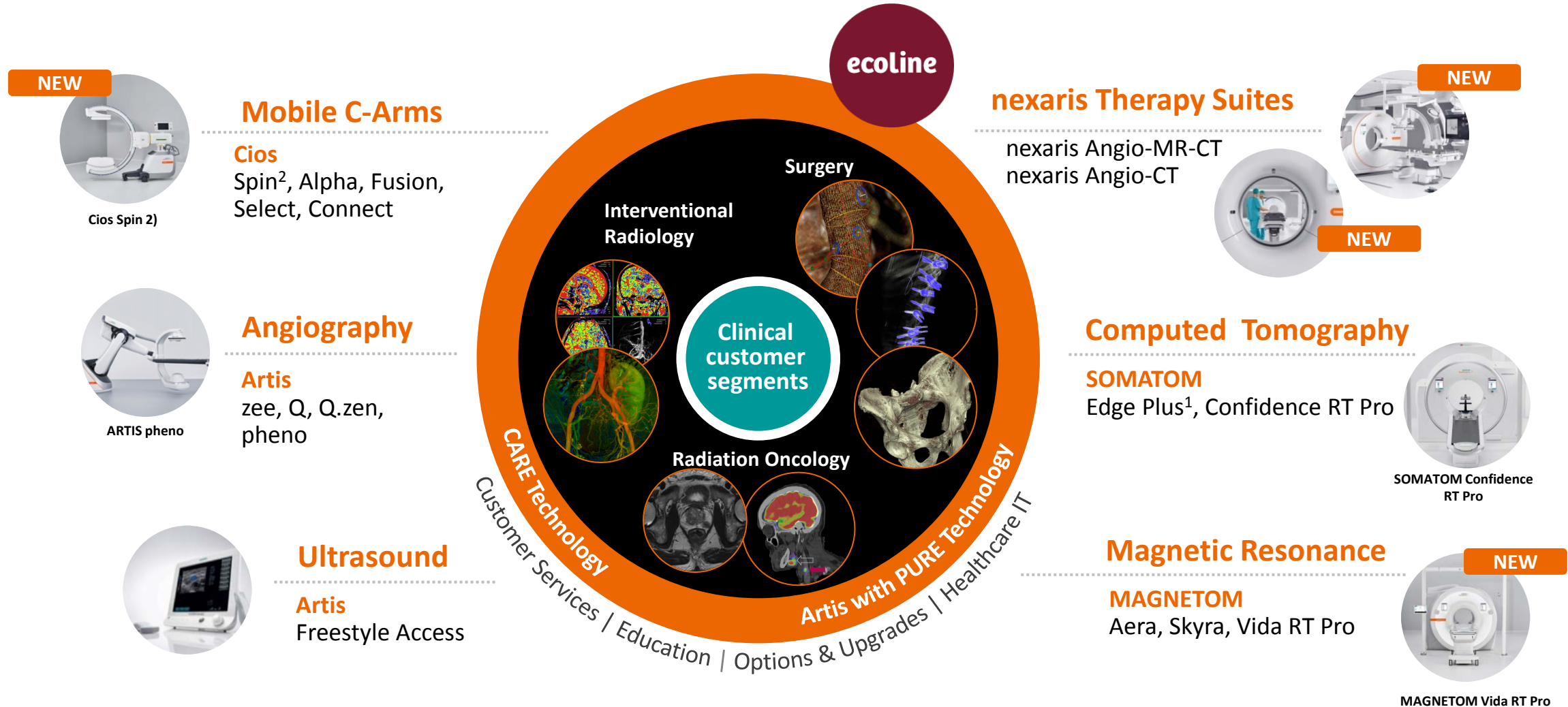

Intra-arterial CTA

Embolization

3D-guided ablation

Combined ablation and embolization in one session

A strong AT portfolio
Innovating Advanced Therapy

NEW

Mobile C-Arms

Cios
Spin[2], Alpha, Fusion, Select, Connect

Cios Spin 2)

Angiography

Artis
zee, Q, Q.zen, pheno

ARTIS pheno

Ultrasound

Artis
Freestyle Access

ecoline

Surgery

Interventional Radiology

Clinical customer segments

CARE Technology
Customer Services | Education | Options & Upgrades | Healthcare IT
Artis with PURE Technology

Radiation Oncology

NEW

nexaris Therapy Suites

nexaris Angio-MR-CT
nexaris Angio-CT

NEW

Computed Tomography

SOMATOM
Edge Plus[1], Confidence RT Pro

SOMATOM Confidence RT Pro

Magnetic Resonance

NEW

MAGNETOM
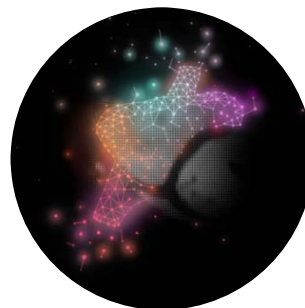Aera, Skyra, Vida RT Pro

MAGNETOM Vida RT Pro

1) This product is pending 510(k) clearance, and is not commercially available in the United States
2) Cios Spin is currently under development; is not for sale in the U.S. Its future availability cannot be guaranteed.

Expanding the core:
Siemens Healthineers coherent portfolio gains recognition

SIEMENS
Healthineers

IF Design Awards

Red Dot Design Awards

Aunt Minnie Awards - Best New Radiology Device

German Design Awards

UX Design Awards Nominated

R&D Gold Awards

Deutscher Zukunftspreis Nominated

Disruptive developments enable data-driven precision medicine

Technological trends

Healthcare trends

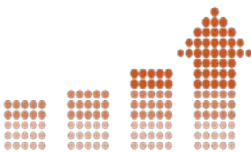Artificial Intelligence

Big data

3D-Printing

Augmented reality

Robotics

Data-driven precision medicine

Value based healthcare

A B C D E F

Information transparency

Data explosion

"Population Health Management" & prevention

Beyond the core:
Digitalization today and tomorrow

time

syngo.via[1]
routine reading
and reporting

syngo.via
OpenApps

Artificial Intelligence

Integrated Decision Support

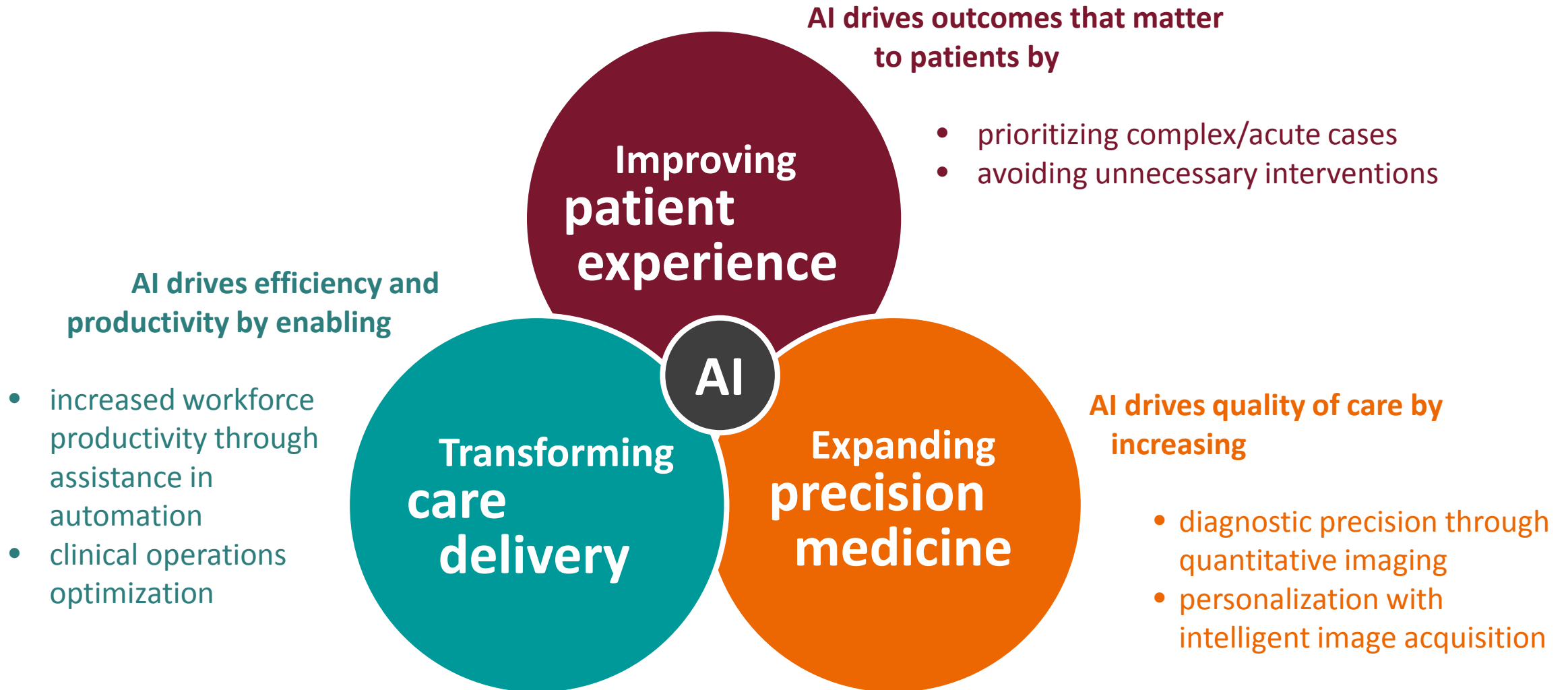**Siemens Healthineers
Digital Ecosystem[2]**

Precision Medicine

1) *syngo*.via can be used as a standalone device or together with a variety of *syngo*.via-based software options, which are medical devices in their own right. *syngo*.via and the *syngo*.via based software options are not commercially available in all countries. Due to regulatory reasons its future availability cannot be guaranteed. Please contact your local Siemens organization for further details.
2) Siemens Healthineers Digital Ecosystem is not commercially available in all countries. If the services are not marketed in countries due to regulatory or other reasons, the service offering cannot be guaranteed. Please contact your local Siemens Healthineers organization for further details.

Digitalizing Healthcare enabled by digital technologies

AI drives outcomes that matter to patients by

- prioritizing complex/acute cases
- avoiding unnecessary interventions

Improving patient experience

AI drives efficiency and productivity by enabling

- increased workforce productivity through assistance in automation
- clinical operations optimization

AI

Transforming care delivery

Expanding precision medicine

AI drives quality of care by increasing

- diagnostic precision through quantitative imaging
- personalization with intelligent image acquisition

Powerful platform combined with long-term experience for Artificial Intelligence

600,000 imaging, laboratory and point-of-care systems

100,000,000

touching **200,000** patients every hour

curated images, reports, operational data

Dedicated **annotation team**

Close clinical **collaborations**

4

Regional **supercomputing** data centers

AI competence center with awarded Data Scientists

More than **30 AI-powered offerings** on the market

400 patents and patent applications in **machine learning**

75 in **deep learning**

Siemens Healthineers Digital Ecosystem
Open and secured environment for digitalizing healthcare
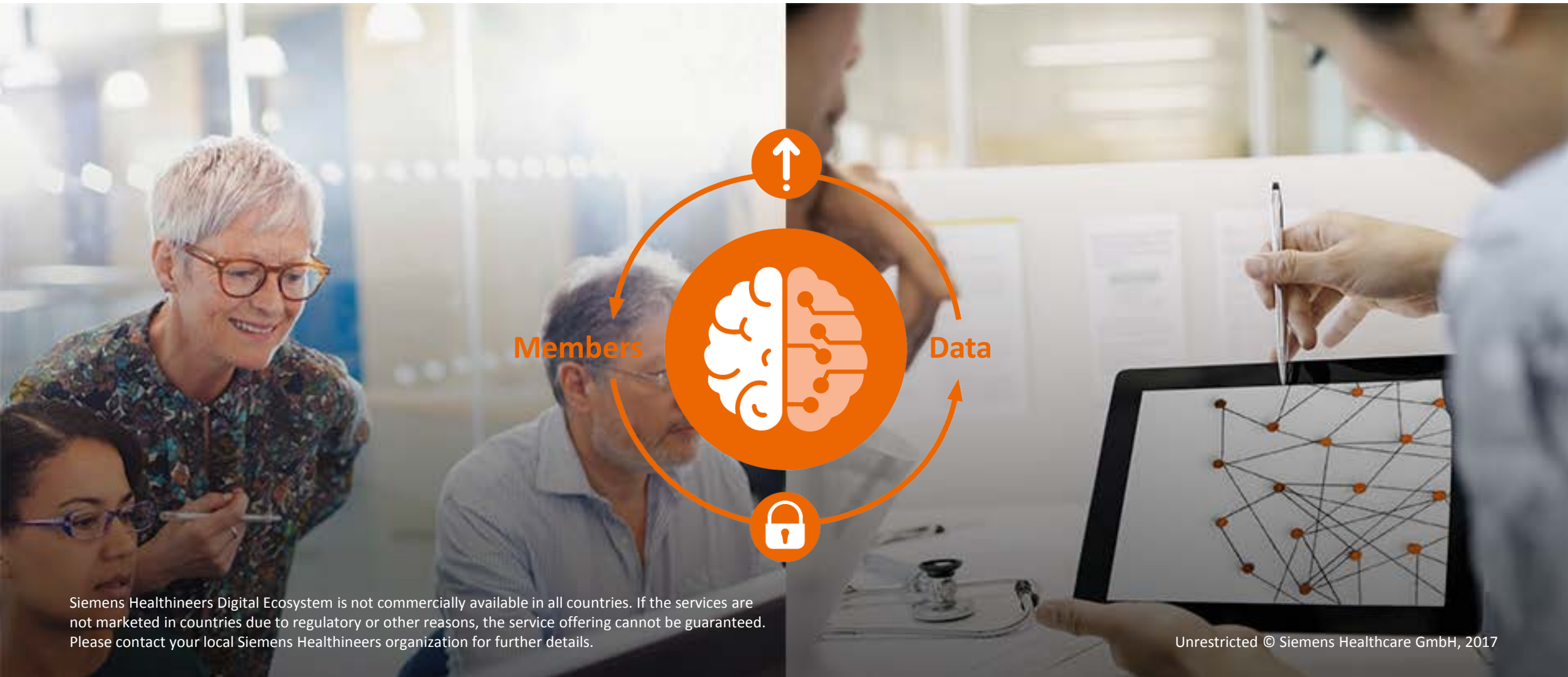
Members

Data

Siemens Healthineers Digital Ecosystem is not commercially available in all countries. If the services are not marketed in countries due to regulatory or other reasons, the service offering cannot be guaranteed. Please contact your local Siemens Healthineers organization for further details.

We're looking forward to another great RSNA in 2017

SIEMENS Healthineers

Outstanding product portfolio

Remarkable innovation pipeline

Extensive customer network

... and highly experienced global teams