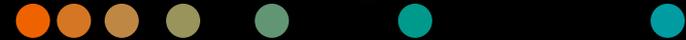


ARTIS icono

# Improve utilization and expand your reach

Transforming care delivery  
in image-guided therapy.



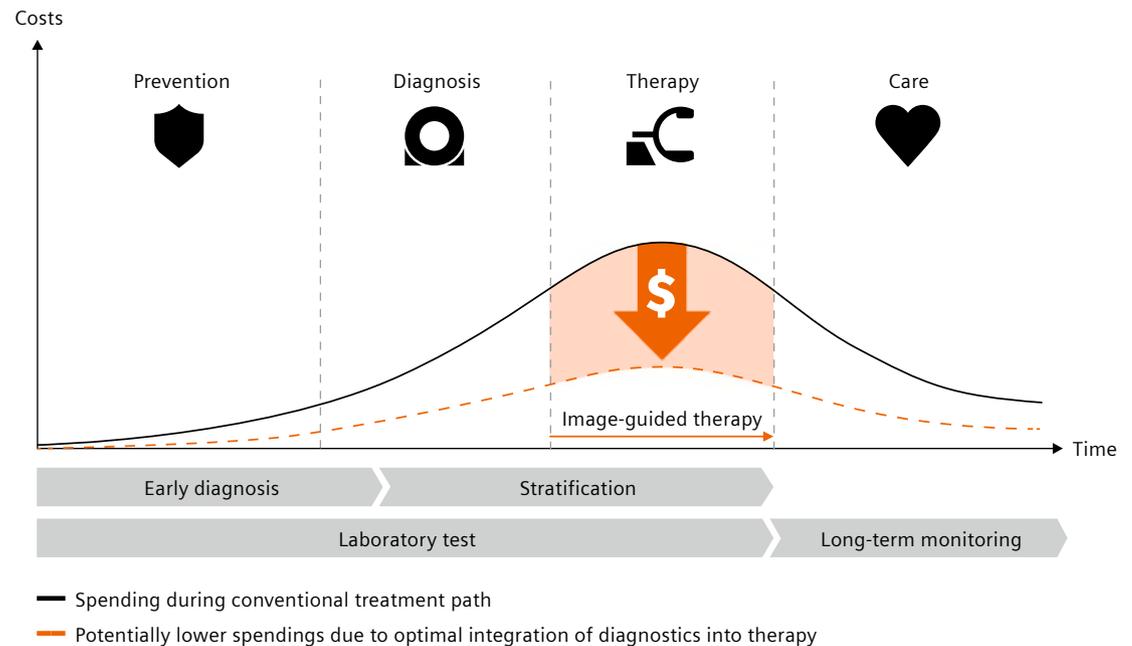


# Large-scale transformation is happening in healthcare

With everyone looking to grow their market share, how do you stay competitive and enhance your reputation?

As patient numbers grow and day-to-day operations become more complex, excellent care needs to be more cost effective than ever. Our multidisciplinary ARTIS icono® systems can help – by streamlining existing procedures, extending your procedure mix, and keeping your total cost of ownership (TCO) on track for the years to come.

## Image-guided therapy is essential and can result in better patient care and lower costs



Interventional imaging enables optimized, individualized treatment

## Increase your procedure spectrum



## ARTIS icono at a glance



Improve interdisciplinary usage



Improve lab utilization



Offer a wider range of interventions



Train and retain your workforce



Futureproof your investment



Increase uptime

# ARTIS icono – designed for multidisciplinary usage

With their unique combination of versatility and specialization, ARTIS icono makes sure different disciplines feel at home in the same interventional suite. To help you extend your clinical capacities and boost financial performance, systems are specially designed to improve utilization across a broader mix of procedures – today and tomorrow.

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## ARTIS icono biplane

# To the specialist, it's a specialist. To management, it's an all-rounder.

ARTIS icono biplane makes sure your interventional radiologists, neuroradiologists, cardiologists and surgeons all feel at home in the same interventional lab.



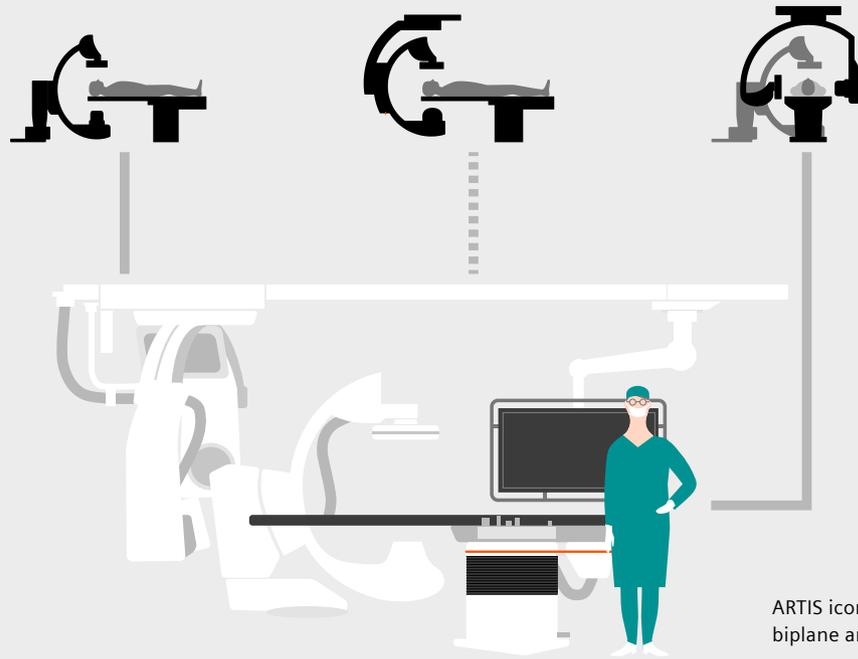
*"In the past you were king in radiology if you had three CTs, three MRs and three angios. The future is about maximizing the use of equipment."*

**Professor Dierk Vorwerk, MD,**  
Head of Radiology, Klinikum Ingolstadt, Germany

ARTIS icono adapts to the positioning needs of neuroradiologists as well as cardiologists so both disciplines can share one lab without a compromise. The system is also ideal for body interventionalists, with full body (2.1 m) 2D and full 3D abdominal coverage\* during procedures such as TACE and PAE.

\*Lateral Plane syngo DynaCT for ARTIS icono is under development and not commercially available. Its future availability cannot be ensured.

## ARTIS icono: the optimal 3-in-1 solution



ARTIS icono can be used as floor, biplane and ceiling-like system<sup>1</sup>.

### Lateral Plane Switch

With ARTIS icono biplane, a single room provides optimal support for two specialties – neuroradiology and cardiology – instead of one. The lateral plane switches automatically between the preferred settings for neuroradiologists and cardiologists in less than 90 seconds. All you do is press a button.

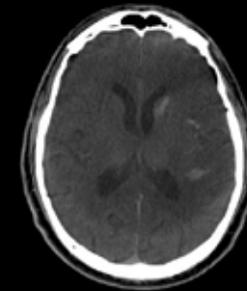
### Lateral Plane syngo DynaCT

During PAE, TACE and UFE procedures in the lower abdomen, ARTIS icono biplane enables *syngo DynaCT* CBCT imaging with the lateral plane\*. The lateral plane provides full body coverage (165 cm) for 2D and 3D abdominal imaging, and can be parked to give anesthesia easy access to the head during imaging.

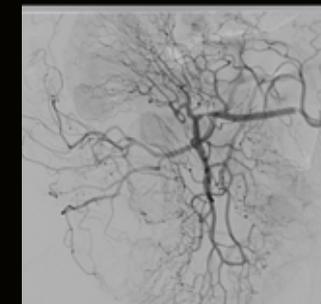
<sup>1</sup> ARTIS icono's lateral plane can not reach all angulations of a ceiling mounted monoplane system.



*syngo DynaCT* image during PAE-(Prostate Artery Embolization)  
AKH Vienna, Austria



*syngo DynaCT Sine Spin*  
Alfried Krupp Hospital, Essen, Germany



DSA, posttreatment followup GI bleeding  
Alfried Krupp Hospital, Essen, Germany

## ARTIS icono floor

# Making different disciplines feel at home in the same interventional suite

When different disciplines share a lab, there are often compromises involved. Cardiologists need a system optimized for radial access; body interventionalists need ideal patient coverage in the peripheries, and vascular surgeons require a sterile environment.

When you choose ARTIS icono floor, nobody has to compromise. From neuro, cardiac or body interventions to hybrid surgery, your new interventional suite supports a wide range of procedures on a minimum footprint of just 25 m<sup>2</sup>. With a peripheral coverage of 2.1 m and a lateral coverage of 1.9 m, operators benefit from virtually ceiling-like flexibility, while syngo DynaCT provides 94 cm body coverage from the headside position. The free ceiling above the patient makes installation easier and minimizes airflow disturbance.



*“The multidisciplinary system broadens the range of treatments we can provide, allowing hospital management to plan the patients’ pathway more comprehensively and in greater detail.”*

**Professor Adem Uçar**, Director of Radiology  
Liv Hospital, Istanbul, Turkey

## Motorized system positioning

### Parking position



### Headside position Card and neuro



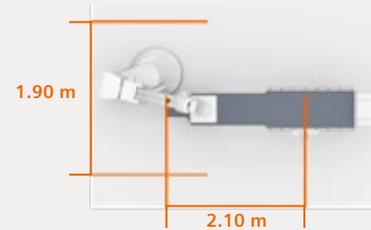
### Leftside position Peripheral procedures



### Left side orthogonal position



### Rightside position Access to patient's left side



Positioning flexibility: optimal patient access and coverage for any procedure

### Flexibility for versatile procedures, including radial access

With ARTIS icono floor, one system is all you need for a wide range of procedures. The systems offer ceiling-like C-arm agility and full body coverage with the footprint of a floor stand, making it ideal for treating a diverse range of patients in the space constraints of your interventional suite or Hybrid OR.

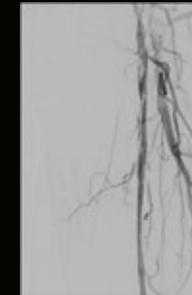
The complete feature set (i.e. EVAR, TAVI, TACE, CAD) supports your procedure portfolio as you extend your services, and your system comes fully equipped for preprocedural planning and intraprocedural quality control.

### syngo DynaCT – a real game changer

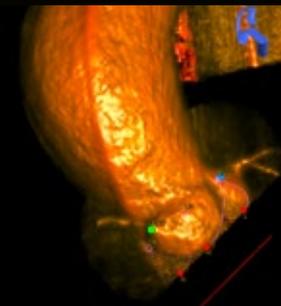
Nothing compares to real-time CBCT imaging when it comes to understanding complex lesions. ARTIS icono offers full tableside integration, plus 3D and CBCT coverage for most abdominal procedures. You can also integrate support from other modalities (e.g. ultrasound etc.) during complex treatments.



syngo Dyna3D Dual Volume,  
Inselspital Bern, Switzerland



DSA of PTA lower limb  
Klinikum Ingolstadt, Germany



syngo Aortic Valve Guide  
Herz-und Kreislaufzentrum, Rotenburg a.d. Fulda, Germany

Image was acquired with another Artis system

## ARTIS icono offers integrated workforce satisfaction

Intelligent systems and intuitive interfaces can make a big difference to the motivation and productivity of your staff. ARTIS icono systems support a wide range of procedures and adjust to each team's individual preferences at the touch of a button. As a result, everybody feels at home when teams from different disciplines share a single interventional lab.



*"In the healthcare market, people are key to success. 88% of your colleagues say success depends on their ability to attract qualified staff."*

Source: Survey by Healthcare Business International (HBI). April 2017. Data on file.

## Case Flows may speed up femoral access by 64%

### Conventional System

 Manual setup and system interaction

 17 clicks

 90 sec



### Using Case Flows

 Angulation are reached automatically

 2 clicks

 1 min time saving



Completed focus on the procedure and the patient

### Case Flows – faster, more standardized workflows

Case Flows are flexible execution sequences that adapt to specific clinical needs and preferences. By streamlining manual preparation steps and positioning the system with zero joystick interaction, they speed up routine procedures and help you establish new and more complex procedures with confidence.

Case Flows are specially designed to boost operational efficiency. During procedures, flexible, step-by-step guidance gets incoming or rotating staff up to speed quickly. By sharing optimized workflows

across multiple ARTIS icono labs, you can standardize procedures and boost the consistency of your clinical and documentation outcomes.

### Case Flows – full flexibility for personal preferences

Case Flows are open for personalization, new ideas and demands. Depending on their preferences and situational needs, operators can adjust imaging parameters such as C-arm and system positions, SID, zoom factor, filters, collimation and display layout as required. Using Case Flows all these parameters self-adjust automatically by one click, enabling your staff to fully focus on the patient and procedure.

### PEPconnect

This unique training program gets incoming team members up to speed on ARTIS icono systems fast. With PEPconnect, young professionals and experts can access education and real-time performance support anytime, anywhere and on any device. The broad topic portfolio includes Medical Imaging and Therapy, Lab Diagnostics and POC, with more than 6,000 in-vivo and in-vitro learning activities.

# Stay competitive with a future-proof investment



## **A new way of moving**

Three key components – the multiaxis floor stand, agile lateral plane and table – now feature our new intelligent industrial motor gears and controllers. They deliver outstanding agility – plus the versatility you need for tomorrow’s procedures.

## **New components for top performance and reliability throughout the lifecycle**

These intelligent Siemens industrial components can report their status via a remote service connection, helping to reduce unnecessary down time. And they feature 60% longer hardware component lifecycles compared to the previous floor system.

## **Real-time remote monitoring and proactive service to maximize uptime**

A stroke unit needs to be operational all around the clock. Just like your interventional imaging system. All ARTIS icono biplane systems ship with a unique Siemens Healthineers program called Guardian. An additional follow-the-sun, 24 h real-time remote system monitoring service can detect and resolve errors before malfunctions occur.



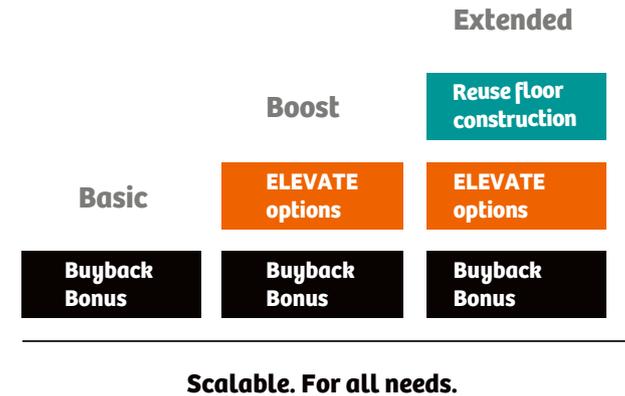
**Adapts to any change in the procedure mix**

ARTIS icono supports collaboration and is specially designed to adapt and grow with your procedure mix. Integrating additional functionality is easy, and operators can control third-party apps via iPad and view them on the large display.

**Ready for tomorrow**

Angio-only stroke treatment is already possible with ARTIS icono, saving up to 60 minutes. So if this approach becomes a new standard in future, you'll have the equipment – and the experience – in place. With its outstanding positioning flexibility, ARTIS icono floor is also an ideal solution for the growing field of complex cardiac interventions.

**With ELEVATE, loyalty pays off**



The modular ELEVATE concept supports tailored solutions for every budget and situation – and rewards customer loyalty.

**Elevating your Artis zee/Q to new ARTIS icono**

ARTIS icono replaces your existing Siemens Artis zee/Q floor or biplane unit smoothly, with minimal disruption to patient capacity or throughput. You can re-use the room, the infrastructure – even your existing floorplates. Your people can keep using their familiar clinical applications, and our flexible PEPconnect program streamlines training for incoming members.

# Manage total cost of ownership successfully

According to an analytic service survey, 64% of healthcare decision-makers demand a lower TCO from the medical equipment they purchase in future.<sup>1</sup> ARTIS icono systems are designed and built with that expectation in mind.



## Stay within your budget

ARTIS icono floor offers virtually ceiling-mount flexibility without exceeding budgetary constraints. On a minimum footprint of just 25 m<sup>2</sup>, this cost-effective solution creates a room that can be used around the clock for minimally invasive treatment and diagnostic cases.

ARTIS icono floor is simple to install and requires no special floor preparation or elaborate constructions. If you're upgrading an existing Artis zee or Q floor room, you can re-use the mounting plates and infrastructures for your new system.

With stable service costs, more reliable components and higher uptime, your new ARTIS icono system can help you keep your budget on track for years to come.

<sup>1</sup> Harvard Business Review Analytic Service Survey, Sept. 2017

## Technical Specs

### Installation

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ARTIS icono is available as a biplane and floor-mounted system

### Required room size

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ARTIS icono floor requires a minimum room size of 25 m<sup>2</sup> (269 sqft) with the Standard table and 28 m<sup>2</sup> with the Multi-tilt table

ARTIS icono biplane requires a minimum room size of 6.4 m times 4.2 m (21 ft times 13.7 ft)

### Patient tables

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ARTIS multi-tilt table offers

- Virtually no force required for repositioning
- Flexible tilting of +15° / -20° and Cradle: +15° / -15°
- Supports all tabletop angulations, regardless of patient weight up to 280 kg
- Fast, precise repositioning without moving the patient

ARTIS standard table

- Patient weight up to 280 kg
- Offers fast, precise repositioning without moving the patient



### OPTIQ imaging chain

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- Offers constant image quality at a new ALARA benchmark. Regardless of procedure, patient size or C-arm angulation
- Pre-set image quality level is maintained automatically throughout the procedure for maximum dose efficiency.
- This innovative system uses a contrast-driven technique based on automatic parametrization supported by intelligent, self-adjusting algorithms.

### Case Flows

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- Reduction of preparation and positioning times by optimizing imaging parameters, system positions and display layouts for specific procedures in interventional neuroradiology.
- Flexibility in the execution of sequences, adapting to needs and situation.
- Standardization for procedures across multiple ARTIS icono labs with the potential to reduce imaging variations.

# Why Siemens Healthineers?

At Siemens Healthineers, our purpose is to enable healthcare providers to increase value by empowering them on their journey towards expanding precision medicine, transforming care delivery, and improving patient experience, all supported by digitalizing healthcare.

An estimated 5 million patients globally benefit from our innovative technologies and services every day in the areas of diagnostic and therapeutic imaging, laboratory diagnostics and molecular medicine, as well as digital health and enterprise services.

We are a leading medical technology company with over 170 years of experience and 18,000 patents globally. With more than 48,000 dedicated colleagues in 75 countries, we will continue to innovate and shape the future of healthcare.

*The scientific overlay on the title is not that of the individual pictured and is not from a device of Siemens Healthineers. It was modified for better visualization.*

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