The SONOLINE Antares™ ultrasound system provides all the elements of a complete premium solution from acquisition to archive:

- Greater diagnostic confidence
- Measurable workflow efficiencies
- Advanced ultrasound technology
- User-specific ergonomics

These tangible, proven advantages make a critical difference in your everyday practice—advantages that stem from a unique, visionary approach to technology design, migration and implementation.

As a result, the Antares system offers you the broadest range of best-in-class, fully integrated premium capabilities including superb 2D, 3D, 4D and Doppler imaging. Providing another dimension of clinical opportunity and diagnostic confidence for your busy, diverse practice. For life.

Vision
The complete solution
With its unique array of advanced clinical technologies, the Antares system offers a flexible system architecture for premium performance and unparalleled diagnostic precision. Innovative technologies such as 4D ultrasound imaging, Superb 2D imaging, SieClear™ multi-view spatial compounding, Tissue Harmonic Imaging (THI), and MISA beamforming are seamlessly integrated into the Antares system, while new and evolving solutions can be effortlessly added as your future needs change.

- **fourSight™ 4D ultrasound imaging technology** provides clinicians with a simple and seamless transition between 2D and 4D imaging across a wide range of applications.
- **Superb 2D, 3D, and Doppler imaging**
- **SieClear™ multi-view spatial compounding** enhances anatomical detail and improves the visualization of small structures and vessels.
- **Tissue Harmonic Imaging (THI)** provides up to five user-selectable frequencies per transducer to detect subtle harmonic echoes within tissue while reducing body wall artifacts and acoustic noise.
- **MISA beamforming** offers superior detail and contrast resolution.
Multidimensional Imaging

FourSight 4D ultrasound imaging technology provides anatomical views in three orthogonal planes, offering a multidimensional landscape of anatomy and pathology. In this 4D image of a 28-week fetal spine, note the excellent detail resolution provided by the multi-planar format imaging of FourSight 4D technology—in particular the individual vertebral spinal processes in all three planes as well as the 4D volume.

FourSight 4D technology offers multiple display options to suit diverse clinical and patient needs. In this view of the fetal face, a 1:1 image format demonstrates an excellent full-screen view. Note clear delineation of soft tissue configuration, which assists in ruling out facial abnormalities such as cleft lip.

FourSight 4D technology with this 30-week fetus facilitates a clearer diagnosis of fetal well-being. In this image, three orthogonal planes provide better resolution of fetal anatomy than conventional 2D views, while the 4D volume demonstrates excellent contrast resolution of the fetal facial structures.

The Antares system provides superb spatial resolution and sensitivity in color and power Doppler imaging. In this image, power Doppler technology is combined with 3-Scape™ real-time 3D imaging technology to provide a comprehensive view of the normal vasculature of the adult kidney. Ultrasensitive wideband transducers matched with user-selectable MultiHertz™ multiple frequency imaging technology improve penetration and resolution for expanded clinical versatility.
**SieScape Imaging**

- **Sagittal view of carotid artery bulb in a technically difficult-to-image patient.** With conventional 2D imaging, anterior and posterior plaque is difficult to distinguish from the noise-filled vessel.

- **With Clarify VE technology, power Doppler flow information is used to enhance B-mode tissue resolution, reducing acoustic clutter throughout the region of interest. It also provides clearer vessel wall definition and improved tissue boundary detection, while preserving the excellent spatial resolution of Antares system 2D imaging.**

- **Clarify VE technology combined with 3-Scape imaging provides a clear view to the back wall of the carotid artery and jugular vein.**

- **Dual imaging of the liver shows multiple lesions (left). The same image with Clarify VE technology (right) also clearly demonstrates the hepatic vessels.**

**Clarify VE Technology**

- **SieScape panoramic imaging provides ultrasound information in anatomical context, allowing accurate measurement of organs, vessels and structures with real-time, high-resolution grayscale imaging.**

- **The radial artery is clearly delineated using color SieScape imaging, available on all Antares system transducers.**
Workflow
Efficiency for your demanding practice

With the Antares system, efficient workflow is an integral element of the complete picture. The Antares system comprises its superb multidimensional imaging capabilities with an efficient, natural user interface, immediate 4D imaging access, seamless transition between functions, and excellent patient management. So you can count on expanded diagnostic potential and a dedicated focus on meeting the minute-by-minute demands of your practice.

• DIMAQ-IP integrated workstation with built-in CD-R/W drive enables efficient and cost-effective output and archiving of exam data
• Digital acquisition, image, single frame review, and handling of complete ultrasound studies—including digital dynamic clips—can be performed with no interruption to exam workflow
• Instant recall of the complete exam is accomplished with a simple menu selection
• Excellent portability, with the lightest weight and smallest footprint of any premium-performance system in its class
• Crescendo™ multi-dimensional image processor quickly and efficiently manages data for real-time analysis, quantification and reconstruction techniques
• syngo™ system user interface provides a uniform and highly efficient working environment by seamlessly integrating ultrasound into clinical workflows.
The Antares system extends confidence beyond diagnostic performance. Only the Antares system provides measurable improvements in user comfort, with a unique, operator-dedicated design that reduces discomfort and repetitive motion during ultrasound exams.

- Micropositioning capabilities enable clinicians to precisely maneuver and position the system for the greatest comfort and clinical utility.
- The Natural Reach Zone ensures easy, immediate and comfortable user access to system features necessary to perform an exam, including the control panel, keyboard, transducers and gel.
- The Extended Reach Zone provides effortless access to areas beyond the Natural Reach Zone, including the patient, transducer connectors and ancillary equipment.
- Highly ergonomic control panel and intuitive operating system streamline user operation.
- Lightweight microCase transducer miniaturization technology together with SuppleFlex cables increase user comfort and ease access and control.
- Compact and lightweight system design ensures excellent portability.

ErgoDynamics
Take the stress out of scanning.
Proven Outcomes.

This is what Siemens is helping to deliver right now. Outcomes that result from truly efficient workflow. Outcomes that improve your bottom line. Outcomes that lead to a level of care that feels exceptional to the patient and the care provider. Proof positive of the value of integrating medical technology, IT, management consulting and services. In a way that only Siemens can.

Life

Get the most from your investment

As the single and complete premium-performance solution, the Antares system is the only system that can provide the highest level of diagnostic confidence. With a broad portfolio of customer-focused services—including the proprietary Life Program—we protect the value of your investment.

• Obsolescence protection—the flexible system architecture of the all-digital Antares platform is seamlessly upgradeable for life, so it adapts to the evolving diagnostic ultrasound environment now and into the future

• Expanding clinical capabilities—the innovation in keeps going with high-light 4D imaging as a result of ongoing dedicated research. Advanced pre- and post-processing tools transform clinical practice and adapt to the standard of care and clinical practice.

• The Life Program ensures the integrity of your investment through lifelong, customized services, clinical training, UPTIME service support and access to networked customer communities.
We see a way to improve visualization of complex anatomy with imaging planes unattainable in 2D.

We see a way to digitally archive complete ultrasound studies 100% of the time.

Proven Outcomes