



Sensis Vibe

Amplify productivity

siemens.com/sensis

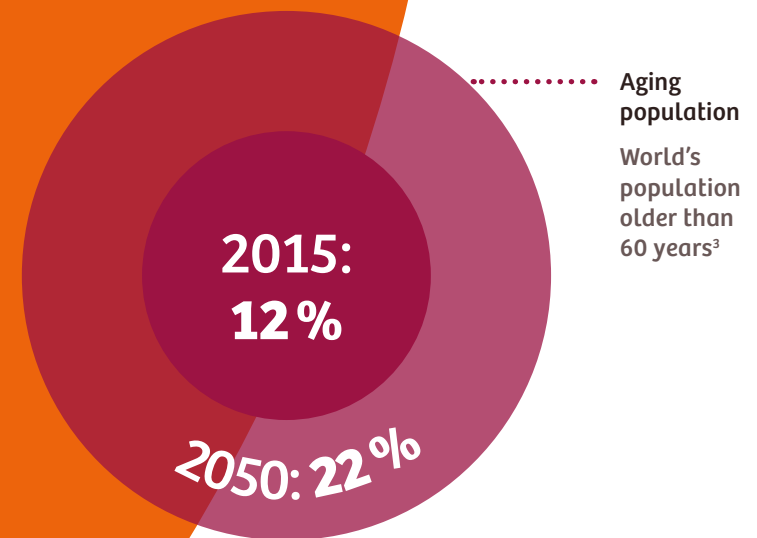
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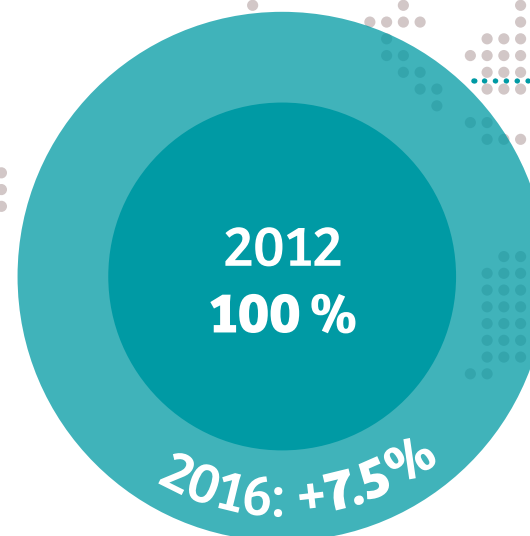
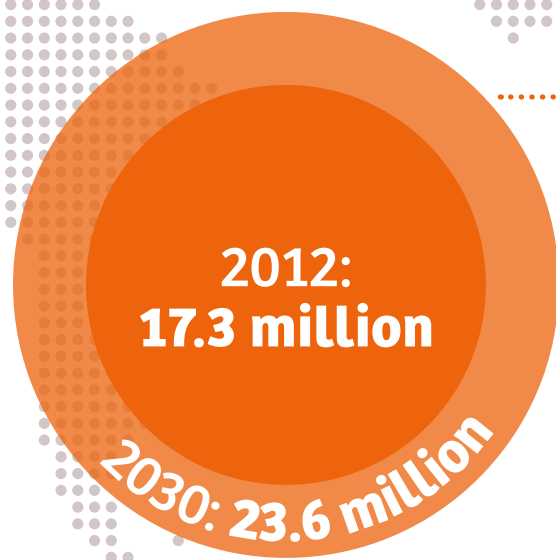
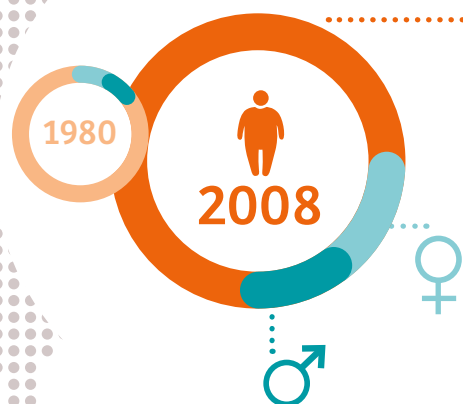
The field of cardiology is rapidly changing

The global burden of cardiovascular disease (CVD) is immense. With over 17 million deaths per year, CVD are already the leading global cause of death. This figure is expected to rise to more than 23 million by 2030.¹

The factors that drive this development are clearly visible: Obesity doubled globally between 1980 and 2008. Uncontrolled hypertension has also risen dramatically over the same period.² Aging populations and insufficient physical activity mean that the demand for cardiovascular procedures will increase further.

At the same time, economic pressure is causing healthcare providers to adopt new paradigms of care that counteract the general trend of increasing costs for cardiovascular treatment. To service more people at lower costs while still providing state-of-the-art patient care, institutions will have to streamline their interventional workflows and documentation processes, enable interventional lab sharing, and ensure reliable data transfer and billing.





¹World Heart Federation. State of the Heart – CVD Report. <http://www.world-heart-federation.org/?id=5537>

²The Worldwide Environment of Cardiovascular Disease: Prevalence, Diagnosis, Therapy, and Policy Issues: A Report from the American College of Cardiology. JACC Vol. 60 Suppl S, No. 25. <http://dx.doi.org/10.1016/j.jacc.2012.11.002>

³"Fact sheet no. 404: Ageing and health," September 2015, World Health Organization.

⁴Millennium Research Group, Frost & Sullivan



Sensis Vibe tunes up blends in pays off

Cath labs and hybrid ORs are busy places where many things are happening at once. Even if a procedure is routine, all moves need to be synchronized, and the entire team has to be on the same wavelength. Documenting the procedure must blend into this flow.

Imagine a documentation system so anticipative it feels like a member of your team. A system that catches the Vibe and lets you handle administration along the way – without missing a beat.

This system is Sensis Vibe.

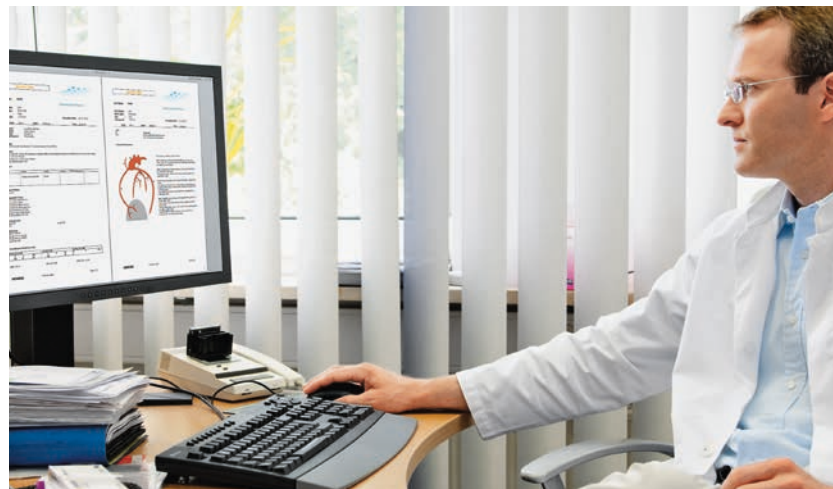
Sensis Vibe® is the vital core where all events, decisions, measurements, and data from your procedures are captured. It reduces administrative effort and standardizes documentation and reporting across interventional entities. Sensis Vibe intuitively blends into the rhythm of the interventional floor and tunes up your workflow efficiency.

Sensis Vibe tunes up

In the cath lab you have to continuously balance critical duties in order to ensure patient safety and document the course of the procedure for follow-up care and administrative purposes.

Sensis Vibe's core principle is ease of use at every step of the procedure. From the one-stop patient registration between Sensis and Artis to adaptable workflow support programs, Sensis Vibe helps you keep the focus where it truly belongs – on the patient.

- Get up to speed quickly with the new intuitive user interface and FlashDoc® functionality
- Customizable workflow support programs with configurable activities to help standardize procedures
- Profit from clinical decision support tools like SAI and FFR
- Enjoy smart, automated, and adaptable data validation for complete and consistent reports at the end of the procedure
- Integrate Sensis Vibe in the hybrid OR and rely on the same recording and documentation system in the hybrid OR and cath lab

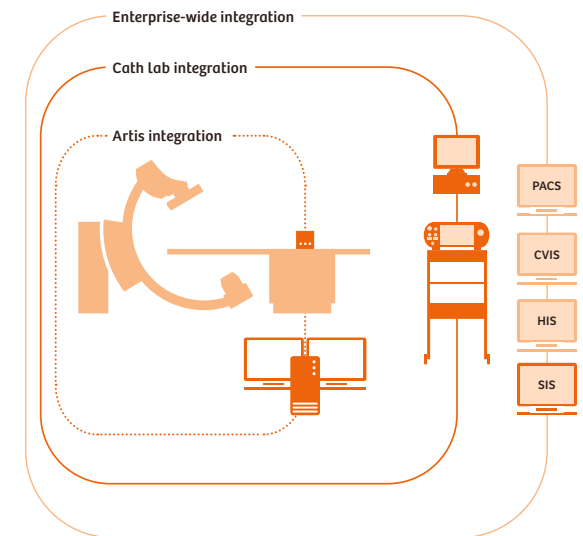


Sensis Vibe blends in

As an IT administrator you need to ensure data consistency, system stability, and interoperability. To support you in meeting the evolving demands for standardization and accountability, Sensis Vibe smoothly blends in with your IT infrastructure and easily adjusts to individual needs. And when it comes to reliability – you can simply take stability for granted with Sensis Vibe.

Smooth, reliable, and secure

- Ensure reliable data transfer to various hospital IT systems – Sensis Vibe uses the following interface languages: ASCII flat file, XML, DICOM, and HL7
- Easily adapt documentation to your requirements with the highly tailored Sensis Information System (SIS) database
- Enable institution-wide integration with multi-lab connectivity
- Reduce billing errors through seamless information integration with billing systems
- Prevent data loss and downtime with Sensis Vibe's new local cache
- Maximize utilization and ensure extended data security with Sensis Vibe's virtual server appliance



As a health service provider you need to manage costs and revenue to sustain state-of-the-art patient care for today and tomorrow. Sensis Vibe positively impacts your bottom line in many ways, from speeding up data management to showing you the big picture of your interventional floor's efficiency.

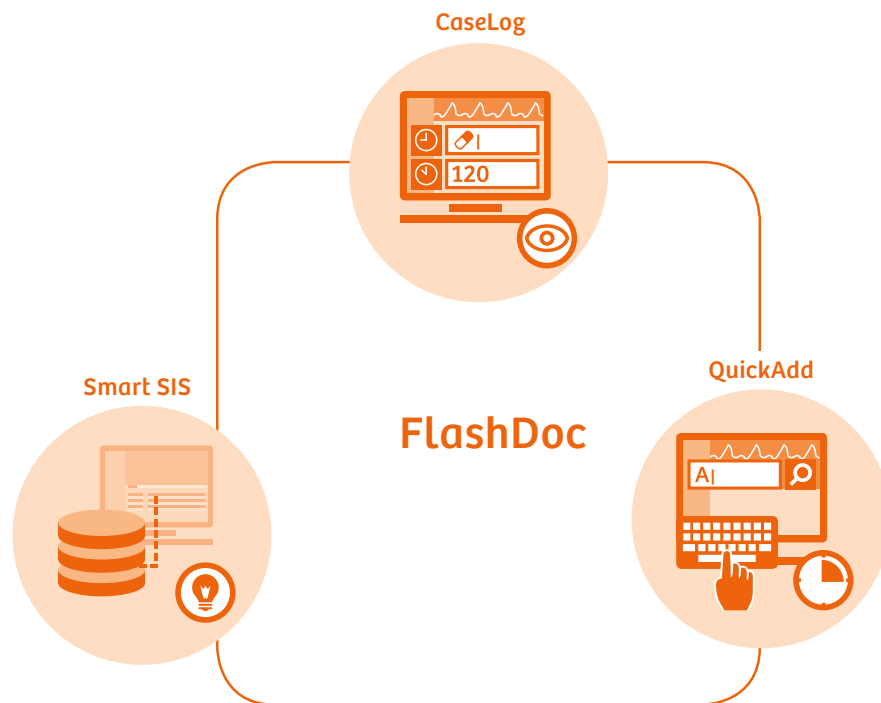
Sensis Vibe pays off

Maximize your efficiency

- Improve efficiency with Sensis Vibe's optimized documentation process
- Enable interventional lab sharing among disciplines with the Sensis Vibe/EP combo solution
- Get the full picture for analyzing, controlling, and benchmarking interventional floor statistics
- Protect your cash flow by providing complete and accurate procedure data for billing
- Benefit from new features and workflow improvements over the entire product lifecycle with Sensis Vibe's comprehensive upgrade opportunities

FlashDoc

Sensis Vibe's new user interaction concept prominently features FlashDoc, a completely redesigned procedure data documentation philosophy. Targeting optimal ease of use, FlashDoc includes three core components – QuickAdd®, CaseLog, and an even smarter version of the Sensis Information System (Smart SIS) – all embedded in a new, intuitive user interface.



- **QuickAdd** enables simplified data entry using auto-completion, which speeds up procedure data capture.
- **CaseLog** offers an optimized, time-stamped overview of all hemodynamic/electrical events and other occurrences recorded or manually captured.
- **Smart SIS** helps to create a consistent record with individually defined validation rules that verify entries and measurements automatically.



Advanced applications

SAI

Sensis Vibe offers special features for advanced users, such as automated calculation of the systolic area index (SAI) that provides a very efficient method for diagnosing and documenting constrictive pericarditis.

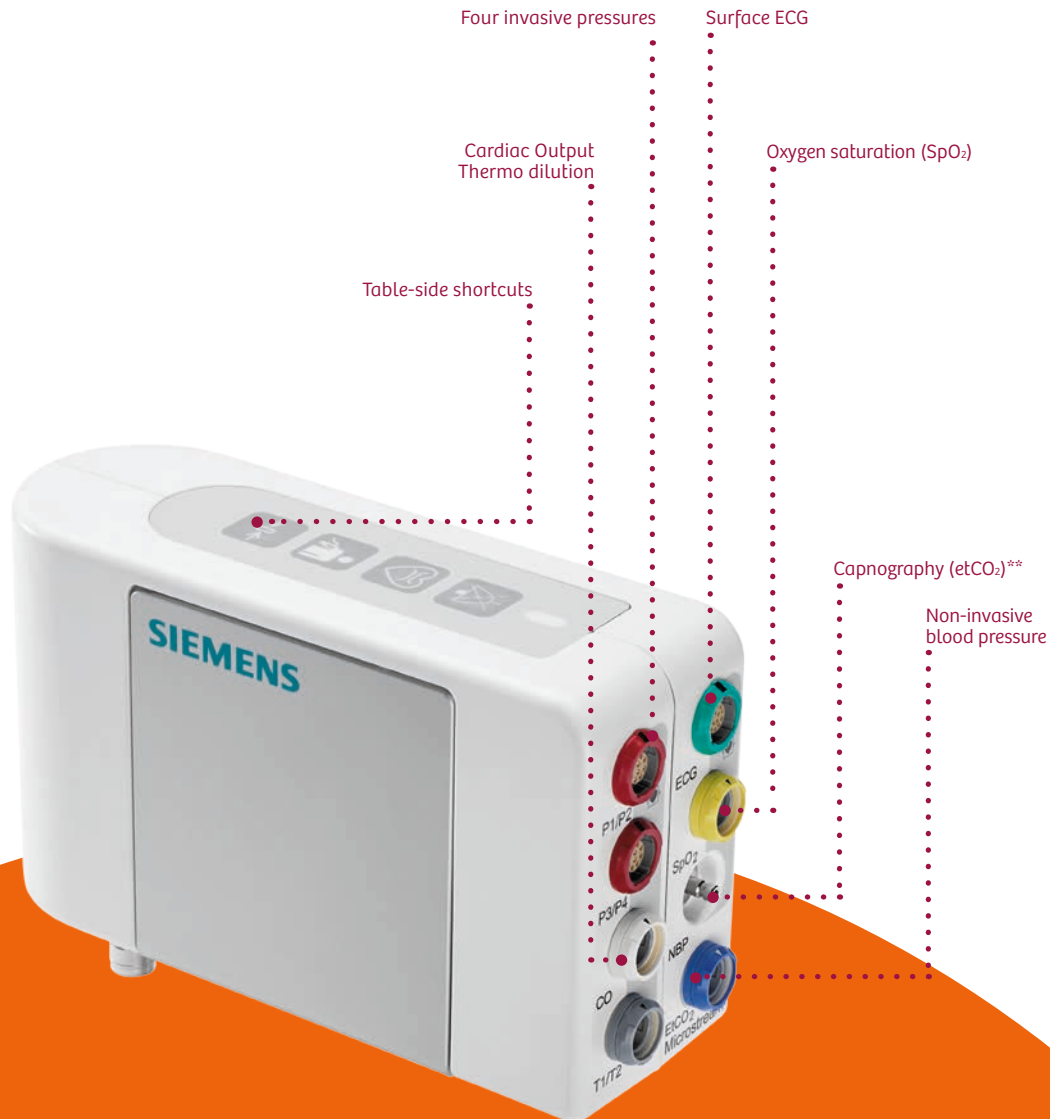


FFR

Sensis Vibe also enables flexible measurement of the fractional flow reserve (FFR) integrating devices from St. Jude Medical and Volcano. All resulting data, values, and waveforms are automatically stored and can be easily embedded in your reports.



HemoBox



Sensis Vibe for hemodynamics

The extremely compact signal input unit for hemodynamic recording reduces the hardware impact in the examination room by 82 percent* and offers flexible mounting options.

Hybrid OR integration

Sensis Vibe's HemoBox also meets the hygienic standards of a surgical environment (IPX4 compliance). This enables you to offer fully integrated care when treating a previous patient in a cath lab and hybrid OR by providing the same range of invasive signals in both environments. With Sensis Vibe, data and measurements from previous interventions are now natively available in the hybrid OR.

A scalable solution for hemodynamics and EP

Sensis Vibe can be extended to a combined system featuring both hemodynamic and electrophysiology acquisition. The ComboBox is flexibly configurable and offers outstanding IECG signal quality, even during ablation.

* Compared with Sensis VC12 hemo hardware

** Option

ComboBox for EP

Further advantages: Since you need only one system for both hemodynamics and EP, you need less space, you have only one interface resulting in less training, you have all data in one database, and you can minimize your hardware investments.

During complex EP procedures, Sensis Vibe serves as the central puzzle piece connecting key therapeutic equipment in the lab: the angio system, stimulators, ablaters, and mapping system.

Sensis Vibe also grows with your EP lab as it lets you easily add a further ICEG board to expand your clinical capabilities in EP.

Excellent signal quality during ablation



Courtesy: Karolinska University Hospital, Huddinge, Stockholm, Sweden



Sensis Vibe interacts seamlessly



Artis systems

Sensis Vibe is fully integrated with all Artis interventional angiography systems via a bidirectional interface. The Artis systems offer a broad portfolio of interventional imaging devices to cover all clinical needs in cardiology and electrophysiology, as well as in interventional radiology and surgery.



Hybrid OR

Due to its IPX4 compliance, Sensis Vibe's HemoBox meets the surgical requirements for a hybrid OR. If you plan to invest in a hybrid OR, Siemens Healthineers is the right partner. Our experts will draw on our extensive experience in planning and installing hybrid ORs and hybrid labs. They will take into account your hospital's existing infrastructure and design a solution that best suits your needs.



Advanced system support

Via our secure data link Siemens Remote Service (SRS), Sensis Vibe can be connected to the service experts in our Customer Care Center. Via SRS, the performance and condition of your equipment can be monitored in real time. SRS makes a broad range of proactive and interactive services available – including fast error identification, remote repair and software updates, preventive maintenance, and collaboration services.

Why Siemens Healthineers?

At Siemens Healthineers, our focus is to help healthcare providers succeed in today's dynamic environment.

Healthcare providers around the world have long relied upon our engineering excellence – leading-edge, high-quality medical technologies across a broad portfolio. Our technologies touch an estimated 5 million patients globally every day.* At the same time, they help hospital departments to continuously improve their clinical, operational, and financial outcomes.

We now consolidate this unprecedented volume of data and insights and turn them into pioneering enterprise and digital health services. With those, we maximize opportunities and share risks for the success of your entire health system.

Partnerships are built on people. With Siemens Healthineers there is no team more committed and more connected than we are to realize your success together.

Engineering success. Pioneering healthcare. Together.

*Siemens AG, "Sustainable healthcare strategy – Indicators in fiscal 2014", page 3-4

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The statements by Siemens' customers described herein are based on results that were achieved in the customer's unique setting. Since there is no "typical" hospital and many variables exist (e.g., hospital size, case mix, level of IT adoption) there can be no guarantee that other customers will achieve the same results.

Not all features shown in this brochure are necessarily standard and available in all countries.

The configuration of display, keyboard and mouse shown in this brochure is only a room example. A similar or alternative configuration can be delivered.

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