

GE Healthcare



Aisys

Clinical excellence through patient-focused care





## Patient-focused care

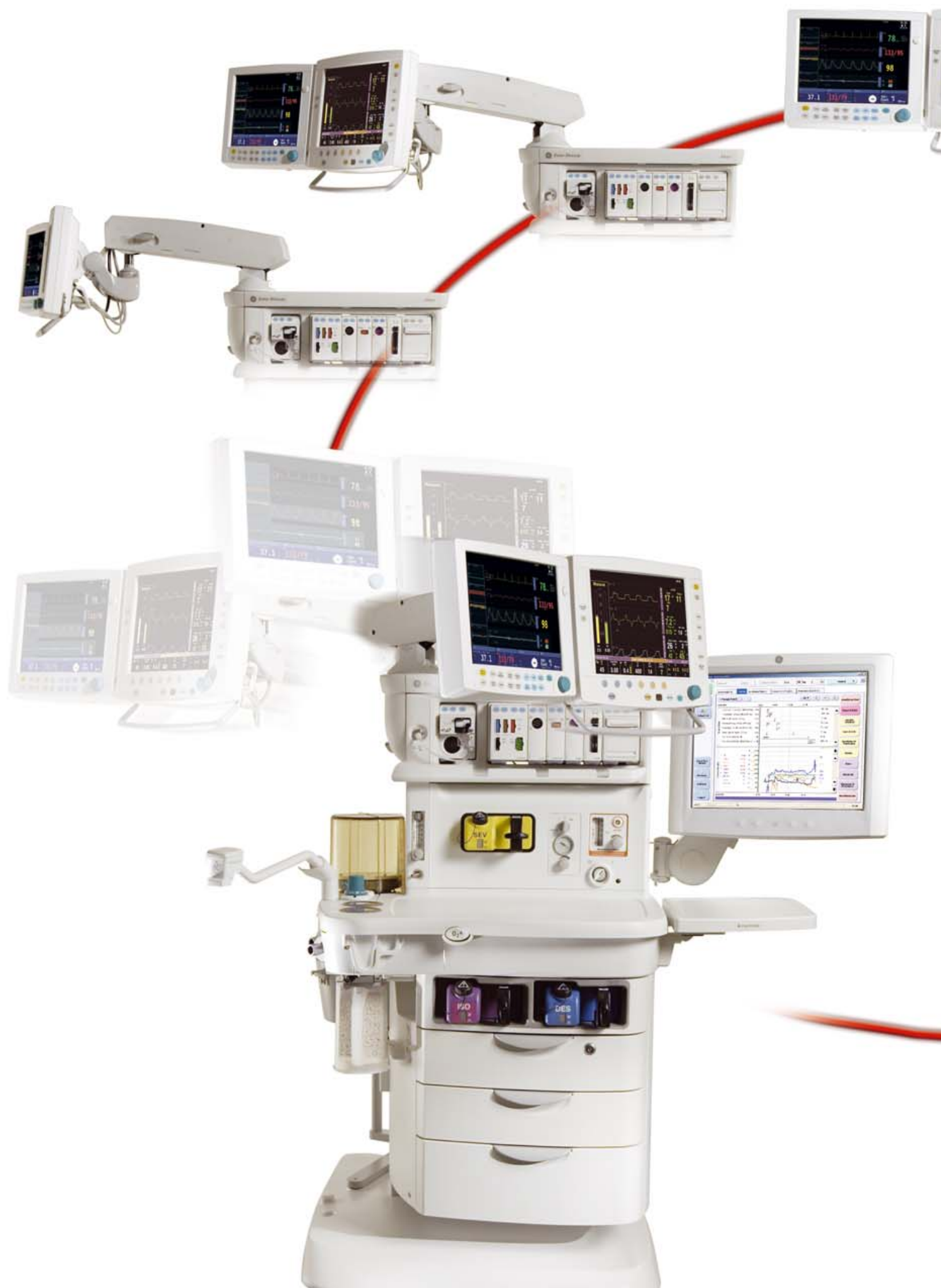
The Aisys® anesthesia delivery system from GE Healthcare helps you deliver unmatched performance through patient-focused care.

Our perioperative care stations integrate devices, therapies and information systems at the point of need – at your fingertips. GE Healthcare pioneered this concept in response to your needs and concerns. With the Aisys, we offer you the most complete anesthesia solution yet.

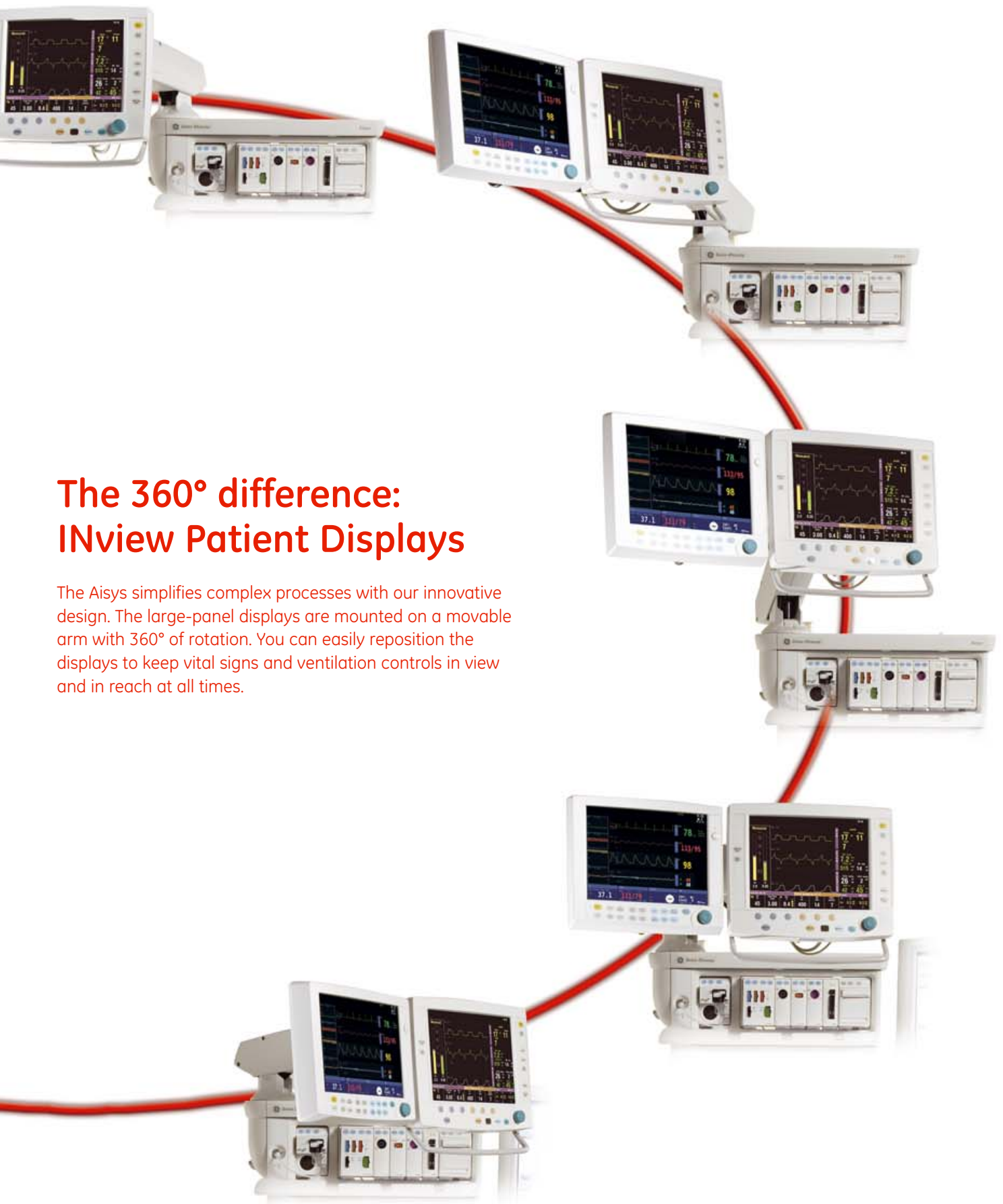
The Aisys includes our exclusive INview™ Patient Displays, which give you the flexibility to position the patient monitoring, ventilation data, and controls right where you need them. Gas and agent consumption measurements help you track usage and capture costs. Combined with our clinical information systems, the Aisys helps you assess costs and improve efficiencies.

The 7900 SmartVent™ is flexible enough to accommodate a broad range of patients: neonates, cardiac, compromised and routine cases. The Aisys is modular and upgradeable to accommodate emerging technologies, yet maintains the same familiar user interface and fresh gas delivery as our traditional flow tube based anesthesia machines.

Superior ventilation and full vital signs monitoring in the Aisys are combined with our clinical information systems to supply you the features and data that help you provide safe and accurate care for your patients.







## The 360° difference: INview Patient Displays

The Aisys simplifies complex processes with our innovative design. The large-panel displays are mounted on a movable arm with 360° of rotation. You can easily reposition the displays to keep vital signs and ventilation controls in view and in reach at all times.

# Proven Clinical Excellence

Our superior ventilation and full range of vital signs monitoring are at the heart of the Aisys. With your input and feedback we continue to enhance these key functions to provide the clinical excellence your patients deserve.

The Aisys incorporates the 7900 SmartVent, the industry standard for critical perioperative ventilation.

The latest SmartVent modes help you meet the needs of your complete patient population, from neonates to adults: Synchronized Intermittent Mandatory Ventilation (SIMV) with Pressure Support and PSVPro® (Pressure Support with Apnea Backup Mode).

Pediatric patients, patients with laryngeal mask airways (LMAs) and those that cannot tolerate certain anesthetic agents are examples of persons that will benefit from the use of these ventilation modes.

## Exclusive Monitoring Technology

The Entropy module aids clinicians in monitoring the state of the central nervous system. Entropy may help you ensure faster and more predictable wake-up and extubation, and avoid unnecessarily deep anesthesia.

Patient Spirometry™ measures airway pressures, flow, volumes, compliance and airway resistance, breath by breath at the patient's airway. Spirometry data is displayed as graphical loops that can help you detect leaks or obstructions in the airway and adjust to restore optimal ventilator settings.

The neuromuscular transmission (NMT) module provides a continuous quantitative measurement of patients' responses to nerve stimulation and regional block.

These parameters, combined with vital signs, and the conventional hemodynamic monitoring, give you a more complete picture of your patient throughout the procedure.



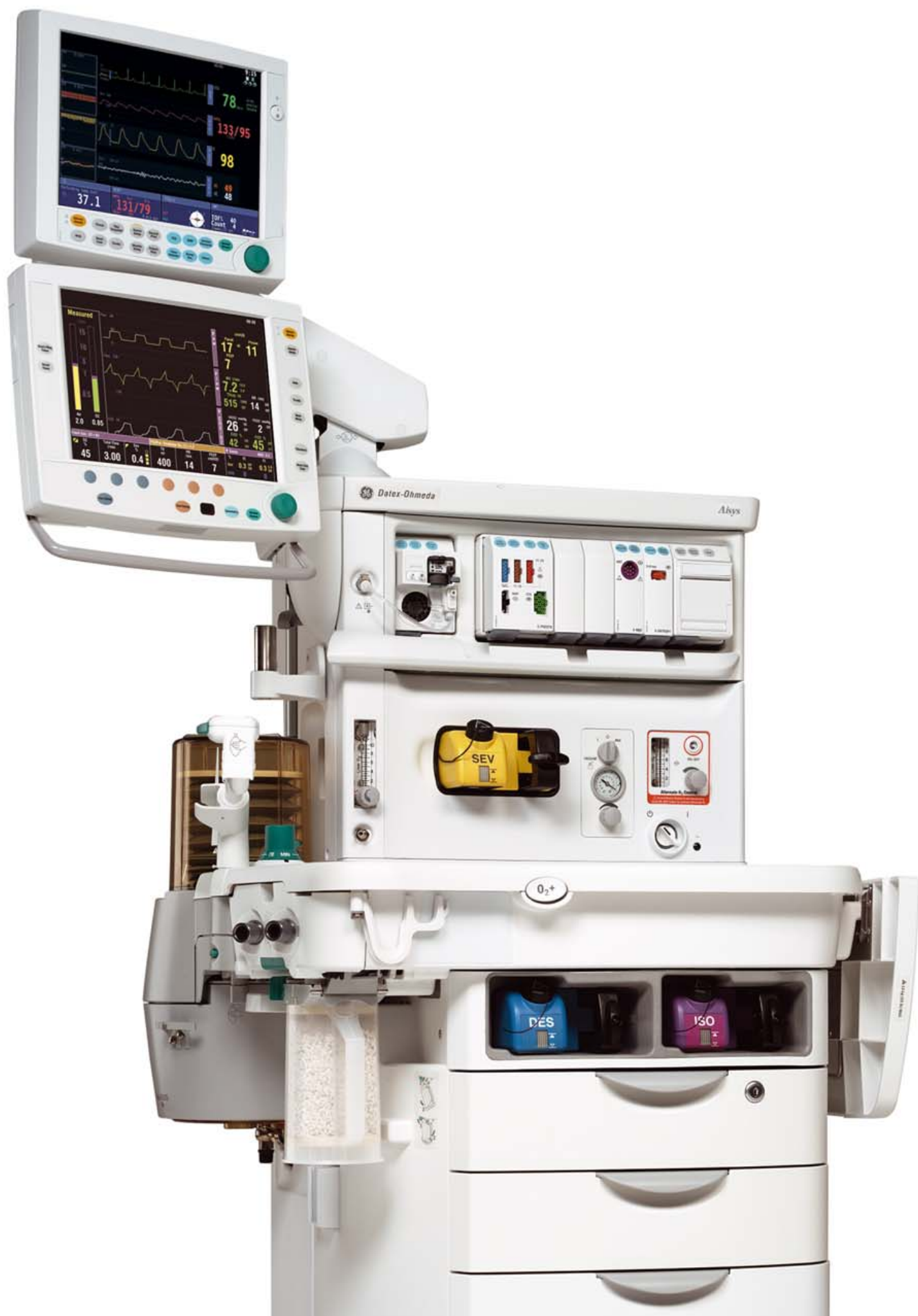
# Patient data at the point of need

The Aisys integrates with your hospital information system and our Centricity™ anesthesia systems.

Our easy-to-use Centricity systems automatically collect and document anesthesia delivery and physiological data. They help you build a complete coherent picture of your patients' status.

Centricity Anesthesia – helping you provide the most personalized patient care.







## Ideal for low flow cases

Our integrated Advanced Breathing System (ABS™) provides a low circuit volume that delivers fast-response, ideal low-flow anesthesia. The rising microprocessor-controlled, multibreath bellows provides immediate visual feedback about the patient's status.

Fewer components and connections reduce the risk of leaks and misconnects, enhancing patient safety.

This revolutionary technology makes it easy to detach the ABS from the Aisys for cleaning and maintenance.

Our EZchange Canister™ also allows you to quickly and easily change the absorbent during a case while maintaining a leak-free system.

## Fast, accurate agent delivery

The exclusive Aladin™ cassette for anesthetic agent vaporization is integral to the Aisys. Electronic controls support automatic agent identification and record keeping of set agent concentration, gas consumption and fresh gas flow compensation. The cassettes are lightweight, easy to use and factory maintenance free.

You get a fast response when changing agent concentration – it takes just a few breaths for the new concentration to reach the inspiratory port depending on the flow rate. The system compensates automatically for pressure and temperature, ensuring accurate delivery at any flow, altitude or ventilator setting.



08:48

Silence Alarms

Alarms Setup

### Measured



**P<sub>aw</sub>**  
Ppeak 17  
PEEP 7  
Pmean 11

**Flow**  
MV 7.2  
TVexp 515  
RR 14

**CO<sub>2</sub>/O<sub>2</sub>**  
EtCO2 26  
EtO2 42  
FIO2 45

Fresh Gas: O2 + Air

Parameter	Value
O2 %	45
Total Flow l/min	3.00
Sev %	0.4
TV ml	400
RR /min	14
PEEP cmH2O	7

**Gases**

Gas	Flow (l/min)
O2	0.3
N2O	0

Gas Setup

Vent Setup

Spirometry

## Protect your investment...

... with the Power of Platforming™. The Aisys is built on our industry-leading Datex-Ohmeda legacy of anesthesia delivery and patient monitoring technology. We have incorporated innovative features to help you provide the personalized care your patients deserve.

## How does platforming benefit you and your hospital?

You will save time and improve efficiencies because of our familiar user interface in our carestations. Decreased training time for your staff decreases costs.

Through the power of platforming, this system is built for your needs today and is upgradeable for your changing needs in the future.

Our proprietary ventilation software and alarms are designed to enhance safety and help you personalize care for your patients. In addition, the Aisys features power backup between the Aisys and the Anesthesia Monitor, facilitating complete data backup. These features will further allow you to provide patient-focused care in your operating room.

Like all of our healthcare solutions, the Aisys comes backed with the GE Healthcare commitment to service. Only one preventative maintenance per year is recommended. The Aisys has PC-based service diagnostic software that simulates clinical usage and helps reduce downtime if service is needed.

The Aisys is supported by all the strengths and benefits of GE Healthcare. Our research and development services provide unlimited potential for future innovations that will anticipate and meet your changing needs. From diagnostic imaging to information technology, only GE Healthcare can leverage these technologies and apply them to your specific needs.

As a global leader in innovative healthcare services, GE is committed to seeking and delivering the technology to continually enhance your healthcare facility.

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going to market as GE Healthcare.

For more than 100 years, healthcare providers  
worldwide have relied on GE Healthcare for medical  
technology, services, and productivity solutions. So  
no matter what challenges your healthcare system  
faces, you can always count on GE to help you  
deliver the highest quality healthcare. For details,  
please contact your GE representative today.

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GE imagination at work