

# Optimize your workflow

Cath Lab Monitoring  
and Centricity Workflow



# In cardiology your needs have taken a great leap forward. So has our technology!

GE Healthcare offers a broad, complete and technologically advanced portfolio of cardiology products and clinical IT integration capabilities.

- GE's proven Mac-Lab® IT Hemodynamic Monitoring System and Centricity Carddas Xi2 Management System now come together to bring you a comprehensive set of cardiac cath lab solutions.
- Innova® X-Ray family, the world's leading cardiovascular all-digital flat panel systems, now come with the intuitive Central Touch Screen, to provide control of the basic functions of Mac-Lab IT at the bedside.

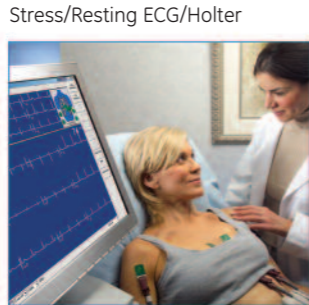
- GE's gold-standard algorithms are timetested for reliability and validated for specificity and sensitivity.
- State-of-the-art GE healthcare IT integration is showcased in leadingedge cardiology care centers.

This level of experience and expertise makes GE uniquely qualified to make clinical technology a reality.



**Centricity**  
Image and data Management System

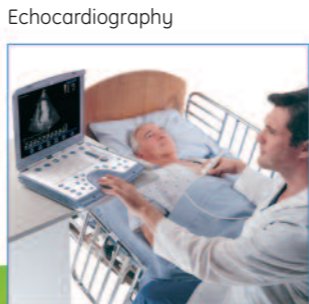
Pre-procedure



Stress/Resting ECG/Holter



Cardiac CT



Echocardiography



Cardiac X-ray System



Cardiac Mobile C-arm



Hemodynamic System



EP System

During procedure



# Speed, reliability and ease of use at every level of your cardiac activity? Quite simply, Centricity

## Pre-procedure

### Putting patient history at your fingertips

The exceptional capability of Centricity Carddas Xi2 to improve workflow efficiency begins before the cath lab procedure with a full range of clinical, administrative and IT benefits. Our Scheduling module enables you to track patients in each lab and allocate resources and staff efficiently.

- Centricity Mac-Lab IT network minimizes delays while allowing users to instantly create a single case record for every patient. In the patient holding area, the Mac-Lab IT case log is automatically created and updated via the pre-operating workstation.

- Capturing more information – such as conscious sedation, medications and registry information – from outside the procedure area using the pre-operating workstation makes the medical record more complete and maximizes your throughput.

- Seamless interface to the GE Dash® or Solar® patient monitoring system autocaptures patient vitals information.



## Cath procedure

### Merging hemodynamics and angiography real-time

As the patient undergoes the cath procedure itself, the technological preeminence of Mac-Lab IT, comes into full play. – all with GE's gold-standard algorithms:

- Physicians can acquire in real-time, 12-lead ECG, ST-segment analysis, respiration rate, temperature, thermodilution cardiac output, SpO2, end-tidal CO2, NBP and up to four invasive pressures.

- You can select which region will be used for pressure, pullback and valve areas measurements with the Region of Interest tool.

- The intuitive Innova Touch Screen provides unprecedented remote control of the basic functions of Mac-Lab IT at the bedside.



## EP procedure

### Mapping the future of Electrophysiology, now

From image review solutions to 3D imaging, our goal is to bring you innovations to help your EP practice. GE's Electrophysiology Monitoring System – CardioLab® IT – provides powerful analysis tools to detect and treat complex cardiac arrhythmias.

- Powerful programmable macros transform multiple steps into a simple one-key manipulation.

- Nurses join a study in progress, enter documentation into the event log, initiate NIBP and display real-time vital signs – all simultaneously – in the IT Nurse's Workstation.

- The PedCath 7® interface equips you with leading-edge pediatric capabilities, handling heart rates up to 200 bpm.



This comprehensive solution includes:

- High-quality signals – up to 128 channels – for exceptional intracardiac and ECG recordings.

- Unique Biosense Webster's CARTO XP System interface with the most complete record of real-time 3D mapping procedures rhythm.

- MicroPace All-Digital Stimulator with programmed stimulation for multiple types of procedures.

GE's X-ray systems Innova IQ and OEC® 9900 EliteMD provide low dose protocols and procedural flexibility from pacemaker implantations to complex RF ablations.

## Post-procedure

### Distributing more clinical data wherever you need it

Beyond the interventional procedure, Centricity Carddas Xi2 facilitates the process of reporting which improves your workflow on another level. Reports, including all relevant procedure and hemodynamic data, as well as selected DICOM images can be automatically created. These reports can then be distributed electronically, and made available on-line through the WEB for faster decision making and better patient care.

This way information travels faster than the patient, not the other way round.

- Centricity CV PACS provides a complete, scalable and flexible DICOM storage solution for Cardiology and Radiology images. These solutions may be used for robust on-site, multi-site and off-site implementations.

- Centricity WEB makes your images, diagnostic data and reports available to wards and referring physicians inside and outside the hospital.

- Integration between Centricity WEB and the MUSE ECG management system allows physicians to view patient's waveforms and cardiology reports along with the images.



Data subject to change.  
Marketing Communications GE Medical Systems  
Société en Commandite Simple au capital de 130.854.900 Euros  
RCS Versailles B 315 013 359  
A General Electric Company,  
doing business as GE Healthcare

France  
Paris  
Fax: +33 (0) 1 30 70 98 55

Japan  
Tokyo  
Fax: + 81-3-3223-8524

Singapore  
Fax: + 65-291-7006

USA  
Milwaukee  
Fax: + 1-262-521-6123

## Healthcare Re-imagined

GE is dedicated to helping you transform healthcare delivery by driving critical breakthroughs in biology and technology. Our expertise in medical imaging and information technologies, medical diagnostics, patient monitoring systems, drug discovery, and biopharmaceutical manufacturing technologies is enabling healthcare professionals around the world discover new ways to predict, diagnose and treat disease earlier. We call this model of care "Early Health." The goal: to help clinicians detect disease earlier, access more information and intervene earlier with more targeted treatments, so they can help their patients live their lives to the fullest. Re-think, Re-discover, Re-invent, Re-imagine.

GE Healthcare  
Chalfont St.Giles,  
Buckinghamshire,  
UK

[www.gehealthcare.com](http://www.gehealthcare.com)



GE imagination at work