

NuBOOM

Repurposing aging infrastructure  
for new surgical practices.



# A simple solution to an old problem.

The hospital at Oregon Health & Science University is like so many other health care facilities in the country: Trying to find the financial means to stay on the cutting edge of technology. In order to upgrade an aging operating facility, the hospital turned to a sleek new imaging integration system.

---

## Melody Montgomery, RN, MBA

Division Director for Perioperative Services  
Oregon Health & Science University

---

Melody Montgomery, RN, MBA, is the division director for perioperative services at Oregon Health & Science University (OHSU). She oversees the perioperative services of nine units: the Casey Eye Institute Perioperative Services, Doernbecher Perioperative Services Operating Room, Gastro Intestinal Procedure Unit, North Operating Room, Pediatric Sedation Services, Perianesthesia Care Unit, SOR (South Operating Rooms), Short Stay Unit, Center for Health, and Healing Ambulatory Surgery Center.

According to Montgomery, when OHSU needed to bring newer surgical technology into a particular operating room in an older part of the hospital, “We neither had the finances nor the will to break into the walls and the ceiling of this very old facility to bring in that kind of technology.” She stated that financially NuBOOM® was an excellent choice because “we didn’t have to pay for costly renovations because it was installed in the operating room as it was. No architects, no structural changes.” For OHSU and from a monetary standpoint, NuBOOM was a smart choice.

They were looking for something that would be able to bring all the AV capabilities into the operating room that a new construction project would. “Flat screen monitors were very important, touch panels that I have available to the staff in many of the other operating rooms — which make it easy to route images — were really important. Connectivity. Something that would work with all the other equipment that we already had, that was really important,” said Montgomery.

When it came to the installation process, “It was great” Montgomery exclaimed. She seemed particularly pleased that it was all done in 48 hours, during off hours when the room was not normally in use anyway.

---

“We neither had the finances nor the will to break into the walls and the ceiling of this very old facility to bring in that kind of technology.”

---

“We did not have to close the room at all. It was all done over a weekend. The operating room was opened and the system was installed over the weekend, and then it was cleaned and ready to go on Monday morning,” noted Montgomery.

### **A smart decision paying off**

NuBoom has positively affected workflow. “It’s easier to clean — it is a sleek design and very easy to clean,” she says. Montgomery commented that in particular the turnover time has become faster because her staff is not moving carts around and they do not have to clean around them as in the past. “It is easier to clean and it just makes things flow a lot better. It stays on one side of the room and they’re able to collapse the flat panel monitors back away from the patient area while they clean. Otherwise, they would have to be moving a cart out of the way, picking up cables, and cleaning cables between cases. So it does lend itself to a faster turnaround” says Montgomery.

Montgomery also points out that NuBOOM improves workflow because the work area is safer. She says they do not have the same amount of cords lying on the floor, they do not have the moveable carts, and that they can connect different surgical devices. “It’s really provided a cleaner environment, more open, less cluttered” said Montgomery. “It took the room from an era of a Model T to the era of a Rolls Royce.”

---

### **“It took the room from an era of a Model T to the era of a Rolls Royce.”**

---

Montgomery also believes the improved ergonomics has positively impacted the operating room working environment. She says, “The monitors can be repositioned so that the surgeon can look straight on as opposed to having to crane the neck one way or the other.” She noted that NuBOOM has changed how surgeons and the surgical staff feel at the end of the day and several have even commented. “There is less fatigue and one surgeon says he was actually able to do at least one more surgery in a day because he feels that he can, he just feels better at the end of the day” says Montgomery.

---

*This work was supported, in part, by a Value Added Partnership agreement that exists between Oregon Health & Science University and CompView Medical (Beaverton, OR). Neither party has any other intellectual property, ownership, or financial agreements deemed to constitute an actual or potential conflict of interest.*

©2008 General Electric Company — All rights reserved.

General Electric Company reserves the right to make changes in specifications and features shown herein, or discontinue the product described at any time without notice or obligation. Contact your GE representative for the most current information.

GE, GE Monogram, and OEC are trademarks of General Electric Company.

NuBOOM and DOCS are registered trademarks of CompView Medical.

OEC Medical Systems, Inc.

**GE Healthcare,  
Surgery — Americas**  
Phone: 801-328-9300  
Fax: 801-328-4300

**GE Healthcare — Europe**  
Paris, France  
Fax: 33-1-30-70-94-35

**GE Healthcare — Asia**  
Tokyo, Japan  
Fax: +81-452-85-5490

Hong Kong  
Fax: +852-2559-3588

Distributed by:  
384 Wright Brothers Drive  
Salt Lake City, UT 84116  
USA

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



imagination at work

Authorized Distributor  
GE Healthcare

LR-050244-01