# PROJECT PROFILE

Consulting * Design/Build * Installation * Project Management

## Providence St. Vincent Medical Center

### BACKGROUND

Providence St. Vincent Medical Center is a leading Oregon healthcare provider and one of the top 100 hospitals nationwide. In 2004 this leading edge facility opened its high-tech digital operating suite for minimally invasive surgery (MIS). A key component of the dynamic new surgical environment was a robotic surgical device, which makes difficult MIS procedures routine and new MIS procedures possible. Within months Providence realized the need for a second digital operating suite to support the robotic surgical device and the increasing demand for minimally invasive robotic surgeries.

### DESIGN GOAL

Providence decided to upgrade OR3, the operating room adjacent to the existing digital operating suite. Built approximately 10 years ago, OR3 had limited floor space and was not configured to accommodate the surgical robot, the robotic console and supporting audio-visual (A/V) equipment. Providence envisioned the new digital OR to include advanced digital and communication capabilities (i.e. digital video capture, digital print and videoconferencing) yet be simple enough for the surgical staff to easily set-up and control. Recognizing CompView Medical's expertise in developing A/V management systems, Providence St. Vincent turned to the company to upgrade OR3.

*"The research and development we put into designing the DOCS user-interface is what differentiates us from other providers. In an effort to meet Providence St. Vincent's individual needs, we designed an icon-based touch screen control with symbols they were already familiar with; thereby making it intuitive for nurses and physicians."*

— Michael Chriss, Manager of Systems Integration for CompView Medical

*"I was amazed at how easily our entire staff oriented to the new technology."*

— Verna Hilburger, RN and Cardiovascular Operating Room Charge Nurse for Providence St. Vincent Medical Center

### FUNCTIONALITY HIGHLIGHTS

- A wall-mounted 40" LCD monitor with patient status data providing general information for the OR team.
- Complete audio and video communication between the robotic control room and operating room.
- Capability to connect an endoscopic camera at three different locations around the OR providing greater flexibility for different surgical procedures.
- A custom programmed, intuitive DOCS control system for efficient control, routing, and switching of digital information in the OR.

*"CompView Medical's level of service is head and shoulders above others. The CompView Medical support team has been by our side throughout the entire process, and as a result, the staff's satisfaction is exceptionally high."*

— Dr. Michael Savitt, Cardiothoracic Surgeon

**SOLUTION**

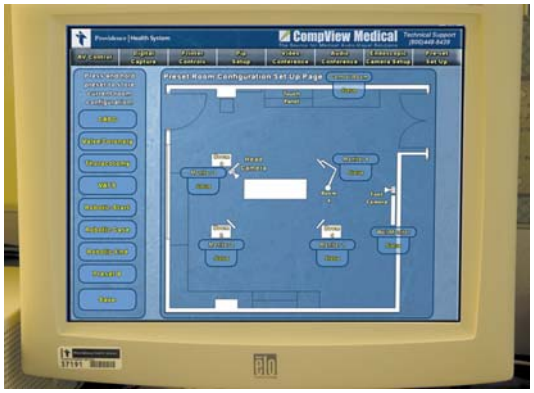
CompView Medical implemented the Digital Operating Control System (DOCS™), a state-of-the-art integrated audio, video, communication and control system designed specifically for the surgical environment. The CompView Medical solution cost 25% less than any other alternative and was installed within 30-days. In addition, the DOCS system is more user-friendly than any other solution on the market, which enables hospital staff, nurses and physicians to improve workflow efficiency and overall patient care.

The completed operating room includes the following improvements;

- The addition of four 18" monitors on articulated, ceiling-mounted boom arms for greater access to and precise positioning of data and video content.
- A video conferencing codec for real-time communication from the OR to 3rd parties who may consult on a case or to provide training for other surgeons.
- An audio conferencing system for communicating outside the OR.
- A wall-mounted 40" display with picture-in-picture capability providing patient status information for OR team.
- Head-end and foot-end cameras providing video feedback to the robotic control room or to the far-end in a videoconference.
- DOCS - a custom-programmed, touch-sensitive panel that provides centralized control and switching of all audio and video signals.
  - Eight pre-sets to save camera configurations, video routing, audio set-up, etc. for various types of procedures
  - Three picture-in-picture configuration options for each monitor
  - Capability to preview video imagery at the control panel prior to printing images, capturing digital video or routing an image to a particular OR monitor
  - Graphical illustration of A/V for simplified configuration
- Complete audio and video communication between the OR and the robotic station located in an adjacent room via cameras, monitors, microphones and speakers.
- Capability to connect an endoscopic camera at three different locations around the OR providing greater flexibility for different surgical procedures.

**REGISTERED AND BONDED**

- Oregon CCB#134110, 34-514CLE
- Washington COMPVI*015DT, COMPVV1961CD
- California C-7#778555
- Minnesota TS00701

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