



**Client:**  
Cardinal Health

**Completion Date:**  
Ongoing multiple projects and service contracts

**Total Dollar Value:**  
\$ 1,150,000

**Professional Services:**  
\$ 280,000.00 (Included in Total Dollar Value)  
(Design, Engineering, Programming & Installation etc.)

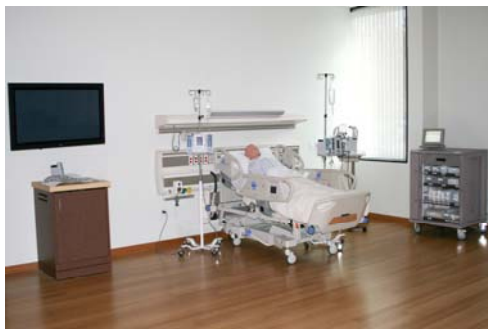
**Project Description:**  
Audiovisual systems and videoconferencing equipment installed in conference rooms, videoconferencing rooms & demonstration centers.



**CLIENT PROJECTS**

Digital Networks Group has been working on AV/IT projects with Cardinal Health, now Care Fusion, for over four years. The CEC – Safety Center was designed and installed over a two month period and consists of one boardroom, two mid-sized conference rooms, eight product demonstration areas and a break area.

**Executive Boardroom:** Designed for high level corporate meetings, the room is equipped with a boardroom table with nine mini goose neck microphones for audio and video conference calls which can be initiated and controlled using a wireless Crestron touch panel. The core of the video conferencing system is a Tandberg MXP-6000 which connects to the LAN, the Extron wide band video and audio matrix switcher and a Sony three chip color camera. All sources can be displayed on two 65" LCD monitors and on to two Stewart 16' x 10' projection screens with two Sanyo 4500 lumen WXGA projectors. The boardroom audio is controlled and amplified with Biamp equipment and JBL speakers. A custom equipment rack which matches the room décor was designed and installed by Digital Networks.



**Eight Demonstration Rooms:** Designed to highlight Cardinal Health's medical dispensing equipment and software, each dispensing machines and PC is connected to a NTI AV switcher allowing the presenter to select between different video inputs, using a 6" Creston wall mounted touch panel. The selected video source may be viewed on a wall-mounted 42" professional grade LCD display using an articulated arm to move it into a comfortable viewing position for the customer.

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**Conference Rooms:** Designed to accommodate meetings with potential customers, these rooms have multiple inputs to connecting laptops to the room projector. The wall mounted VGA interfaces connect to a Creston MPS100 integrated switcher and control system which can be controlled remotely with an 8.4" Creston wireless touch panel, programmed to the customer's specifications. A custom equipment cabinet was designed to hold a combo VCR and Extron Cable Cubby allowing a presenter to connect a laptop to a 42" LCD preview monitor.



**Simple Conference Rooms:** Designed for internal meetings Digital Networks installed a two input AV system to connect a PC and a camera or combo VCR to ceiling mounted projector. The ceiling mounted JBL speakers are powered by a mini amplifier and controlled with an Extron wall mounted controller, which can also be used to power the entire system on or off and to switch between inputs.

**VTC Equipment:** Digital Networks Group has deployed a Tandberg MCU, Boarder controller and TMS server along with multiple videoconferencing endpoints in the USA and the UK. Cardinal Health uses their videoconferencing system on a daily basis to communicate with customers, contractors and employees, effectively reducing traveling expenses.



**Staffing:**

Darrell Legge - Account Manager  
 Ernie Luna - Design Engineer  
 Jamie Pendelton - Project Manager

**Project Duration:**

October 2004 – present



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