

Henry Mayo Newhall Hospital: Patient Tower

Valencia, CA



Client: Henry Mayo Newhall Hospital
Architect: HMC Architects
Builder: Bernards
Facility: Inpatient
Delivery Method: Design-Build
Size: 160,000 sq ft



Henry Mayo Newhall Hospital is an award-winning regional medical/surgical facility and Level II Trauma Center located in the rapidly growing Santa Clarita Valley, a 450-square-mile area about 30 miles north of downtown Los Angeles. Henry Mayo Newhall Hospital is named for the American businessman whose extensive landholdings purchased in the 1870s became the communities of Santa Clarita, Newhall, Saugus and Valencia.

Originally established in 1975 to serve a mostly rural agricultural area with fewer than 10,000 residents, the hospital now serves a population of more than 300,000. In 2008, hospital administrators and local officials realized that the projected population growth would overwhelm the existing facilities. To address future needs, a 15-year master plan was created by the hospital and approved by the Santa Clarita City Council. The crown jewel of the plan would be the construction of a new patient tower.

In October 2016, the collaborative design-build team being led by HMC Architects and Bernards broke ground for the new patient tower. The patient tower includes 119 beds, three Medical/Surgical units, a 29-bed Women's Services Unit, kitchen and large cafeteria, Materials Management and Loading Dock, future expansion shell space, and a rooftop helipad. An innovative phased loading dock enabled construction of the new tower with no interruption to current operations of the existing hospital.

Vantage provided a comprehensive technology plan for the new tower that includes state-of-the-art communication infrastructure to support Real Time Location Systems (RTLS), next-generation Patient Entertainment and Information systems, pervasive tele-health systems and a medical-grade wireless network. In addition, Vantage designed the technology infrastructure and systems to support and integrate seamlessly with the existing campus technologies and low voltage systems, without disrupting current hospital operations.

Photos courtesy of HMC Architects

Services:

- Infrastructure Design
- Installation Oversight
- IT Costs + Financial
- System Design

Technologies:

- Audiovisual Systems
- Healthcare Technologies
- Distributed Antennae System (DAS)
- Emergency Notification
- Inpatient
- IT Infrastructure
- IT Systems
- Nurse Call
- Other Low Voltage
- Paging Systems
- Security Systems
- Telecommunications
- Wireless Network

Benefits:

- Implemented a comprehensive technology plan to including state-of-the-art technologies and infrastructure
- Supported and seamlessly integrated hospital-wide technologies without disrupting current hospital operations
- Helped keep all technology in existing hospital fully operational throughout the phased construction