



Ohlone Community College District

*Telecom Design for the Center for Health Sciences & Technology
And Corporation Yard at the Newark Campus*

Project Information

Disciplines

- ◉ Telecommunications
- ◉ Classroom Technology
- ◉ Audio Visual
- ◉ Wired & Wireless LANs

Completion Date

- ◉ 2007

Project Size

- ◉ Two-Story Bldg, Four Wings
- ◉ 24 classroom, Lab and Lecture rooms
- ◉ 130,000 Square Feet

Project Cost

- ◉ Total \$70M, Telecom portion \$3.3M

Schedule

- ◉ Telecom portion, on time and on budget

LEED Platinum Certification

Contact Information

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Project Description

This exceptional building earned its notoriety by becoming the first building on a Community College Campus to achieve LEED Platinum Certification, in the United States. Salas O'Brien's Telecom and Audio Visual Systems team (formerly Infrastructure Design Associates) worked with Perkins + Will Architects to design this Health, Sciences and Technology campus, which houses a Learning Center (Library), Classrooms, Laboratories, Faculty Offices, Student Support Spaces as well as the Information Technology support area including a Main Distribution Center and Server Support Facility.

The building boasted reductions of 69% of electricity and 72% in natural gas in its first year of operations. For telecommunications, the firm designed for twenty four technology enabled classrooms, labs and lecture rooms that integrated Audio Visual systems with Information Technology enabling the instructor in each classroom to access and present instructional material through a networked PC that is integrated into the AV presentation system in the classroom.

Instructional material written on a whiteboard can be captured and saved to a storage device on the network for access by students following a class session. Class materials including syllabus, lesson plans, and presentations can all be network based and accessible in the classroom through the campus network.

A Wireless Ethernet Network was designed and implemented capable of supporting multiple student classes (with class sizes of 20-30) simultaneously, in lieu of a hard-wired network port, which provides the students and staff with a flexible/mobile learning environment.

- ◉ Telecommunications Infrastructure - Pathways & Spaces, Structures Cabling and Building Telecom Ground System
- ◉ Data Network Systems
- ◉ Voice Network Systems
- ◉ Audio Visual & Multimedia Systems – classrooms, theatres and conference rooms
- ◉ Security Systems

